

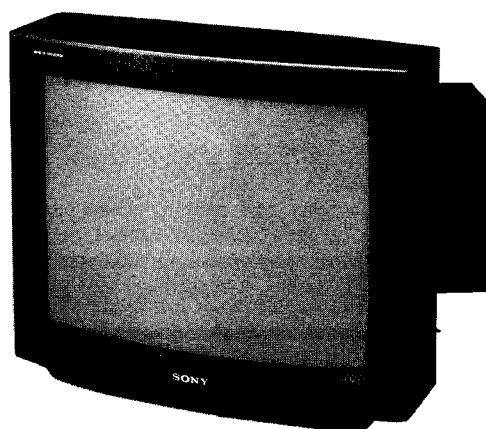
KV-DX27TD

RM-673

SERVICE MANUAL

AEP Model

Chassis No. SCC-B14N-A



AE-1 CHASSIS

Note: The service manual for RM-673 has been issued separately.

MODELS OF THE SAME SERIES

KV-DX27TD	KV-X25TD
KV-DX21TD	KV-X21TD
KV-C27TD	KV-25XSTD

SPECIFICATIONS

Television system	CCIR B, G and H
Color system	PAL, SECAM, NTSC3.58, NTSC4.43
Stereo system	German two carrier system
Channel coverage	VHF channels E2-E12 UHF channels E21-E69 Cable TV channels S01-S03 S1-S41 (a total of up to 30 preselected channels)
Picture tube	Trinitron tube 114° degree deflection Approx. 68cm (27 inches) (Approx. 64cm picture measured diagonally)
Inputs	21-pin connector : CENELEC standard 21-pin connector : RGB input unconnected
Outputs	Headphones jack : stereo minijack External speaker terminals : 2-pin DIN Audio output jack : phonojack output level dependent upon TV setting
Power consumption	125Wh
Dimensions	Approx. 632×550×471mm (w/h/d)
Weight	Approx. 42kg
Supplied accessories	RM-673 Remote Commander (1) Detachable speakers (1 set) Speaker cord with plug (2) IEC designation R6 batteries (2)
Sound output	20W+20W (music power)

Design and specifications are subject to change without notice.




TRINITRON® COLOR TV
SONY®

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SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL


Note) The layout, etc., will be slightly different from the operating instructions packed with the units.

1-1. FIRST OF ALL



- 1 Connect the aerial to the  socket on the rear of the set.
This socket receives the standard 75-ohm aerial plug.

- 2 Plug in the set.

- 3 Preset the available channels.




Use the buttons inside the panel. To open the panel, push the  mark.

To tune in all channels automatically :



- 1 Press  (Preset)
- 2 Press PROGR to select the program position from which tuning is to start.
- 3 Press  (Auto programing).


Up to 29 receivable channels can be preset in numerical sequence beginning from program number 1.
When tuning has been completed, the set returns to program position 1.

To tune in a channel in any desired program position.
(e. g. to preset a channel in its corresponding program position : channel 1 in position 1) :

- 1 Press  (Preset).
- 2 Select the desired program position by using PROGR + or -.
- 3 Press C (Clear).
- 4 Press  (Search) repeatedly until the desired channel appears.
- 5 Press  (Preset) again.


To skip the unused program positions skipped (when using the PROGR + or - buttons to scan available channels.)

- 1 Press  (Preset).
- 2 Select an unused position by using PROGR + or -.
- 3 Press C (Clear).
- 4 Repeat steps 2 and 3 for all unused position.
- 5 Press  (Preset) again.

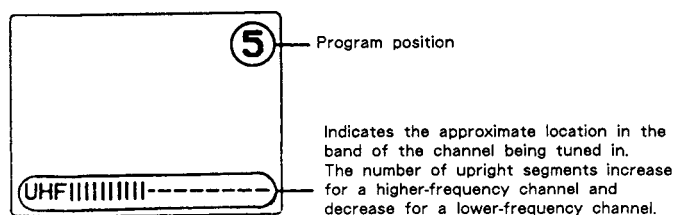
Move the VTR away from the TV, if the picture or sound is distorted. Only one of the VTRs should be turned on at one time. It is also possible to connect a VTR using the  socket.

Note

If the set is to be used in an area with poor reception preset the program numbers between 1 and 19 for TV program use.

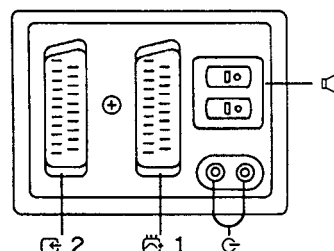
When watching a video with the VTR connected to the  connector, set the channel for the video to program number. 0 or any empty channel between 20 and 29.







On-screen display while tuning



1-2. CONNECTING OTHER EQUIPMENT

connectors on rear set



L•G/S	Left external speaker terminal (2-pin DIN)	Connect to external speakers. The TV speakers will be disconnected.
R/D/D	Right external speaker terminal (2-pin DIN)	Speaker 8-16 Ω.
R/D/D	Right audio output jack (Phono jack)	Connect to audio equipment. When only using the phono-jack, two loudspeaker plugs, (DIN 41529) should be inserted into the external speaker terminals so that the TV speaker output is switched off.
L•G/S	Left audio output jack (Phono jack)	
 1	21-pin connector (CENELEC standard)	Connect to a VTR micro computer, etc. The picture of the TV channel being received is always output. The picture of  2 can be watched while recording a TV program with the VTR connected to  1.
 2	21-pin connector (without RGB input)	Connected to a second VTR. The picture displayed on the screen is always output. The picture of  1 can be recorded with the VTR connected to  2 while monitoring the picture.

VTR operation using the supplied Commander. Remote operation of the VTR (8mm only) is limited to the features and functions of the VTR. For further details, refer to the VTR manual.

21 Pin Connector (1, 2)

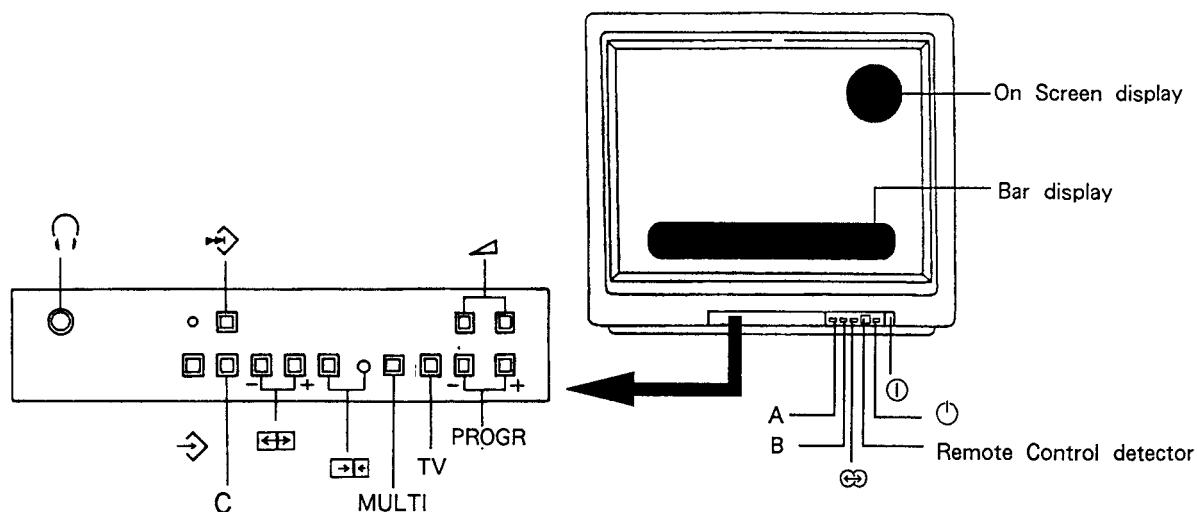
Pin No	1	2	Signal	Signal level
1	○	○	Audio output B (right)	Standard level : 0.5 Vrms Output impedance : Less than 1 k ohm*
2	○	○	Audio input B (right)	Standard level : 0.5 Vrms Input impedance : More than 10 k ohms*
3	○	○	Audio output A (left)	Standard level : 0.5 Vrms Output impedance : Less than 1 k ohm*
4	○	○	Ground (audio)	
5	○	○	Ground (blue)	
6	○	○	Audio input A (left)	Standard level : 0.5 Vrms Input impedance : More than 10 k ohms*
7	○	●	Blue input	0.7 V \pm 2 dB, 75 ohms, positive
8	○	○	Function select (AV control)	High state (9.5–12 V) : Part mode Low state (0–2 V) : TV mode Input impedance : More than 10 k ohms Input capacitance : Less than 2 nF
9	○	○	Ground (green)	
10	○	○	Open	
11	○	●	Green/Green with sync input	Green signal : 0.7 V \pm 2 dB, 75 ohms, positive Green with sync signal : 1 V \pm 2 dB, 75 ohms, positive
12	○	○	Open	
13	○	○	Ground (red)	
14	○	○	Ground (blanking)	
15	○	●	Red input	(Same as Pin 7)
16	○	●	Blanking input (Ys signal)	High state (1–3 V) Low state (0–0.4 V) Input impedance : 75 ohms
17	○	○	Ground (video output)	
18	○	○	Ground (video input)	
19	○	○	Video output	1 V \pm 2 dB, 75 ohms, positive Sync : 0.3 V (–3, \pm 10 dB)
20	○	○	Video input	1 V \pm 2 dB, 75 ohms, positive Sync : 0.3 V (–3, \pm 10 dB)
21	○	○	Common ground (plug, shield)	

○ connected

● unconnected (open)

* at 20 Hz–20 kHz

1-3. FUNCTION OF CONTROLS



On the set

On-screen display and button

Indicates program numbers and input modes ; 1, 2.
Press this button to make the display appear on the screen, and again to make it disappear. See also "On the Remote Commander."

Bar display

Indicates the level of the user controls when they are adjusted.

① Power switch

To cut off the mains electricity supply, press this switch. Ensure correct operation by pressing this switch fully.

⓪ standby indicator

Ⓢ space sound indicator

Lights up when Ⓢ on the Remote Commander is pressed.

ⓐ / ⓑ A, B stereo/bilingual indicator

Both indicators light up when a stereo program is received. The A or B indicator lights up when a bilingual program is received.

Remote control detector

Point the Remote Commander toward this detector.

Inside the panel

🎧 headphones jack (stereo minijack)

➡ PRESET button

Press to preset the channels. Press again to memorize the preset channel.

➡ Auto Programing button

Press to preset all the receivable channels automatically.

C Clear button

Press to restore the memory of all channels to the lowest receivable frequency.

🔍 AFT button and indicator

Normally press 🔍 so that the indicator lights up. The AFT circuit automatically fine tunes the channels for the best possible picture.

🔍 SEARCH buttons

Press to fine tune a weak channel manually, if required. When 🔍 is pressed, the 🔍 indicator (AFT) goes off and the AFT circuit does not function on the selected channel. To restore the AFT circuit on the channel, press 🔍 so that the indicator lights up.

TV button

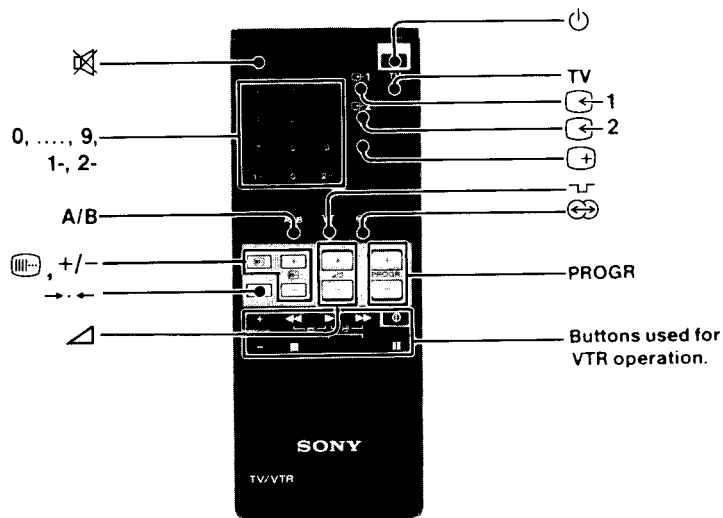
The TV button will not function this set.

🔍 volume buttons

PROGR buttons

MULTI button

Press when you see the video with NTSC 3.58 system input from 1 or 2 (rear of the set) and broadcasts are seen in black and white color (usually color system is selected automatically). The indication NTSC 3.58 will appear at the bottom of the screen.



On the Remote Commander

To operate the Commander, point it toward the remote control detector.

mute button

Use to mute the sound.

0, ..., 9, 1-, 2- buttons

To select :

program 15, press 1- and 5
program 25, press 2- and 5

A/B bilingual button

Press to select channel A (usually the local language) or B (usually the original language) of a bilingual program. Both indicators light up if a stereo program is received.

+ / - picture and sound adjustment buttons

Press repeatedly until the on-screen display of the required adjustment appears. (● picture, ● color, ▲ hue, ☀ brightness, □ sharpness, ♫ bass, \$ treble, ▽ balance) Adjust by pressing + or - adjust to the button.

Notes

- When the volume is at the minimum setting, the balance function ▽ does not operate.

→ • ← reset button

Press to reset picture, color, brightness, sharpness, bass, treble and balance to factory set levels.

⏻ standby button

Press to turn the set into the standby mode. Use facility to turn off the set for short periods of time. To return to TV mode, press TV or the program number on the Remote Commander ; there will be a slight delay before the picture is restored. If the main power is turned off when in standby mode the indicator will take 2 to 6 seconds to go off.

TV button

Press to change to the TV mode from the standby or input or teletext modes.

1 input button

Press to view the input picture coming in through the 1 connector. " 1" lights up on the screen. Press TV or the program number to return to the TV mode.

2 input button

Press to view the input picture coming in through the 2 connector. " 2" lights up on the screen. Press TV or the program number to return to the TV mode.

on-screen display button.

Press to make the display appear on the screen. And again to make it disappear.

loudness button

Press to emphasize high and low notes.

space sound button

Press to obtain special acoustic effects.

△ volume buttons

PROGR buttons

Note

Buttons not referred to in the text of this manual do not operate.

1-4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander. The buttons for teletext operation are indicated in green.

Operation

- 1 Select the TV channel for the desired teletext service.
When the signal is weak, teletext error may often occur.
- 2 Press / (TEXT / MIX) to display the teletext service.
Once / has been pressed, the TV channel cannot be changed.
- 3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the remote commander.

The teletext service can be displayed directly from the standby mode, by pressing / .

To receive the teletext service of a different TV channel.

- 1 Press TV to return to the TV mode.
- 2 Select the desired TV channel.
- 3 Press /

Note

To receive the teletext service accurately, keep inside the panel switched on during teletext operation.

To display the index page.

Press (INDEX).

If the necessary signal is not being broadcast, page 100 is displayed.

To access the next or preceding page

press (PAGE+) or (PAGE-).

To superimpose the teletext display on the TV picture.

Press / twice from TV mode.

Press again to return to the TEXT display.

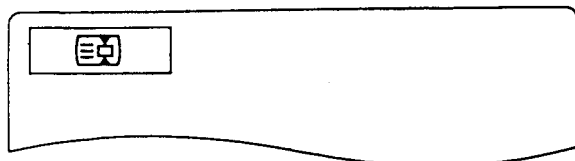
To suppress the teletext display so that the TV picture is displayed.

Press (TEXT CL).

This button can be operated from both the TEXT and MIX displays.

To prevent a teletext page (subpage) from being updated / changed.

Press (HOLD). The HOLD symbol appears at the top of the screen.



To resume normal teletext reception, press / .

To enlarge the teletext display.

Press .

Press once to enlarge the upper half of the display; press again to enlarge the lower half of the display. And press again to return to the normal display.

To reveal concealed information such as the answers to a quiz

Press (REVEAL)

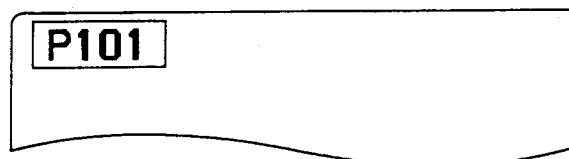
Press again to conceal the answers.

To adjust the contrast of the teletext display.

When in teletext mode, adjust by using the + or - keys adjacent to the key.

To watch the TV program while waiting for a requested page to be displayed.

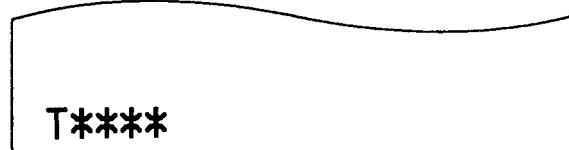
- 1 Request new page.
- 2 Press to watch the TV program.
The requested page number appears at the top left of the screen.
When the requested page has been captured, the page number is displayed in the top left hand corner of the screen.



To view this page, press / .

To have a requested page displayed at a predetermined time.

- 1 Request a time coded page (e. g. alarm page).
- 2 Press (TP ON).
"T****" will appear at the bottom of the screen.



- 3 Enter your request time with the number buttons, using four digits. For example, 07 : 30.



To watch the TV program until the requested time, press .

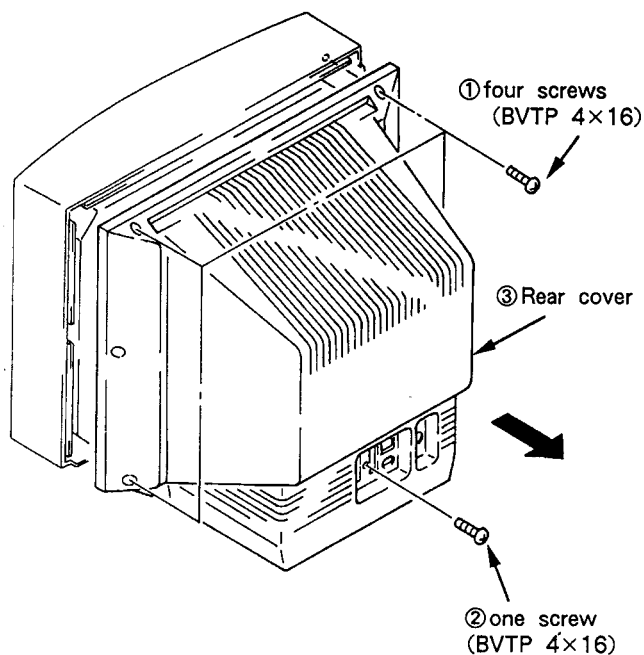
At the requested time, the page number will be displayed at the bottom of the screen.

To view this page, press / .

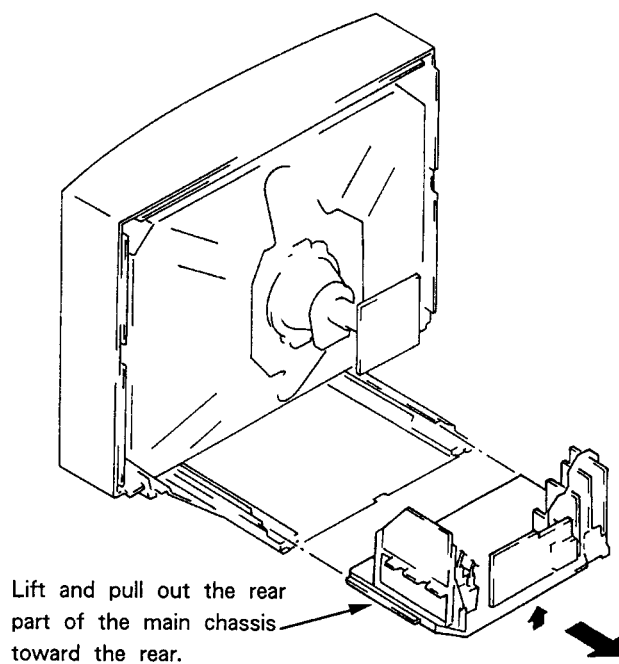
To cancel the request, first ensure that the teletext page is displayed, then press (TP OFF).

SECTION 2 DISASSEMBLY

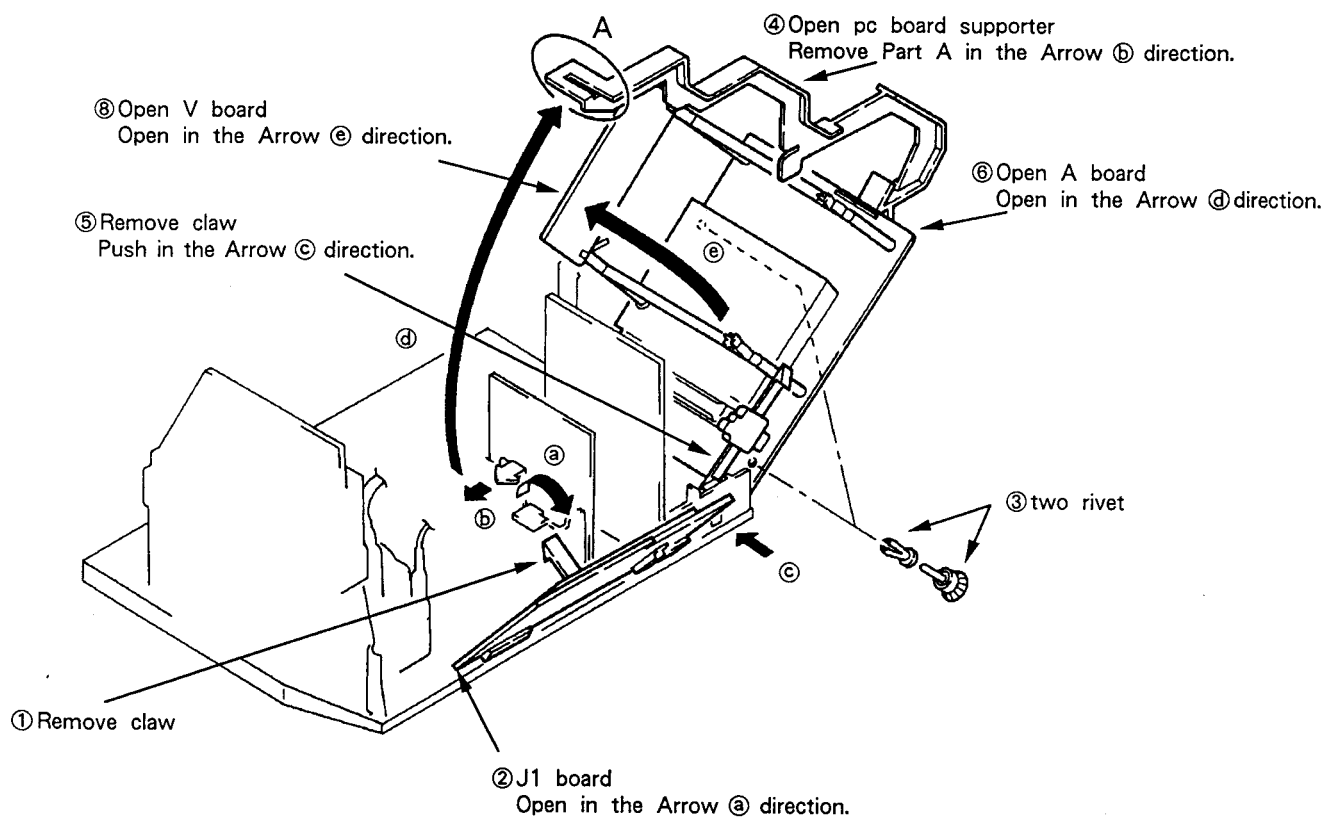
2-1. REAR COVER REMOVAL



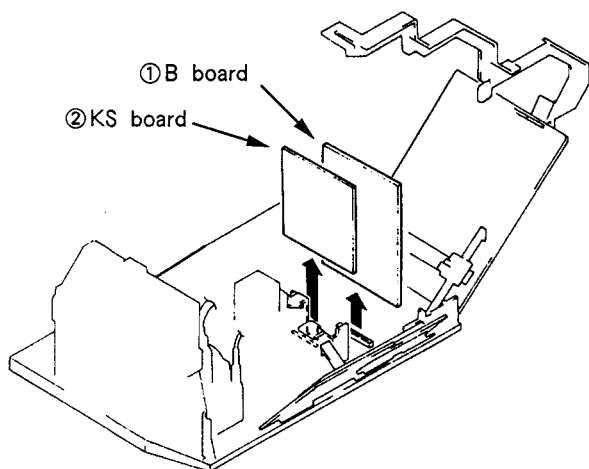
2-2. CHASSIS ASSY REMOVAL



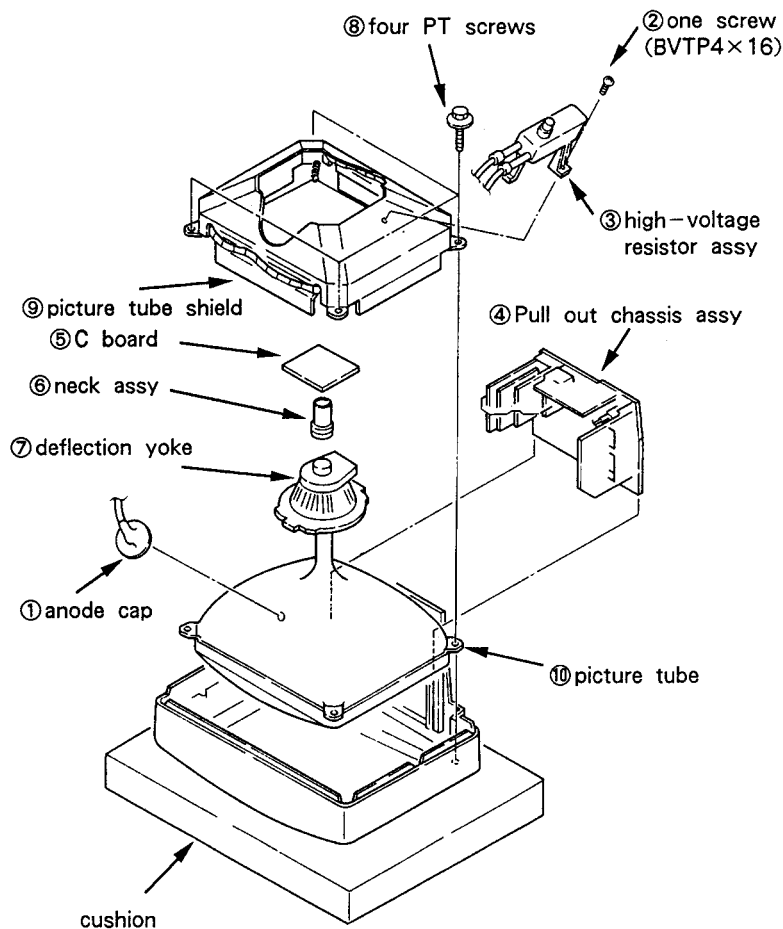
2-3. J, A AND V BOARDS REMOVAL



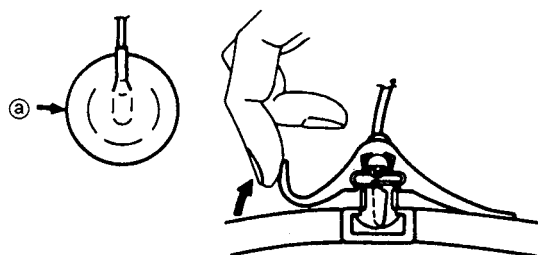
2-4. KS AND B BOARDS REMOVAL



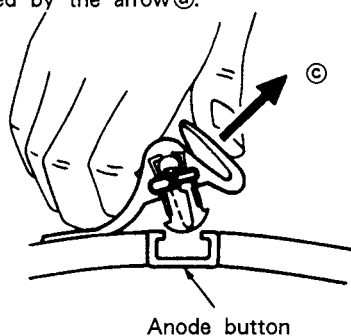
2-5. PICTURE TUBE REMOVAL



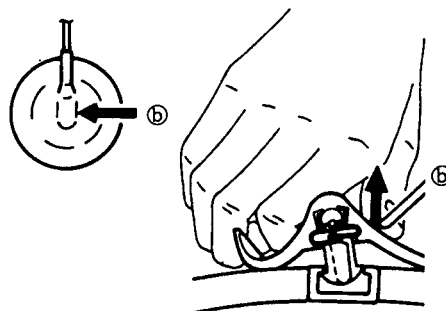
● Removing Procedures



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ③.



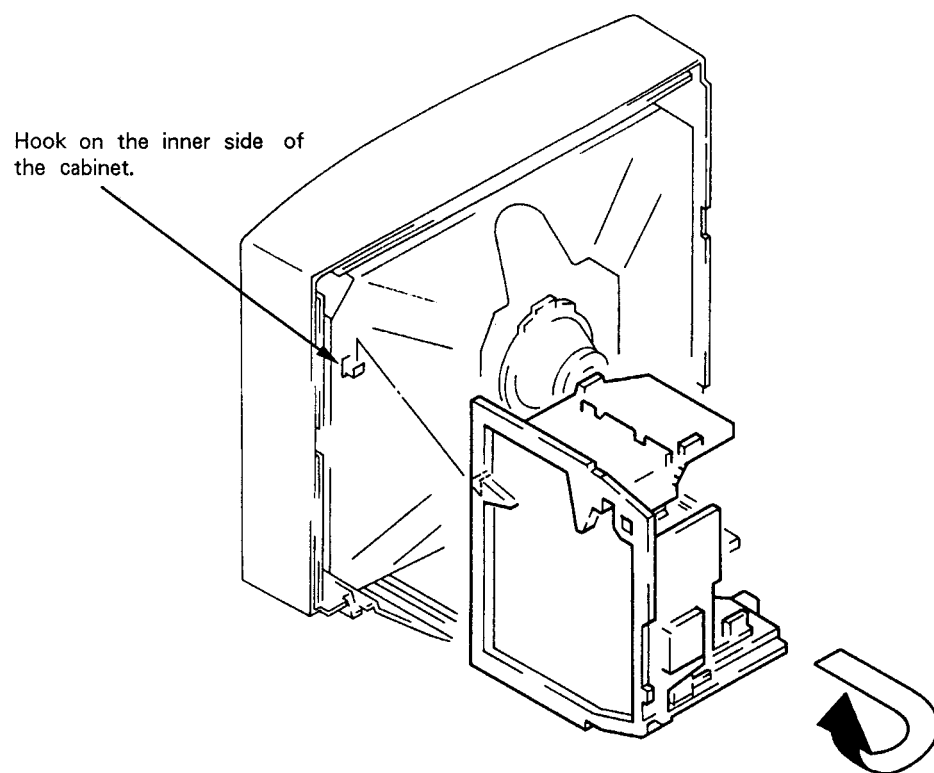
Anode button



- ② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow ②.

- ③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

2-6. SERVICE POSITION



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

- CONTRAST control 80% (or Normal by Commander)
 ✧ BRIGHTNESS control 50%

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color Bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Preparation

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.
 CONTRAST } normal
 BRIGHTNESS }
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-1 - 3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3-1)
5. Switch over the raster signal to blue and green and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-4)

Fig.3-1

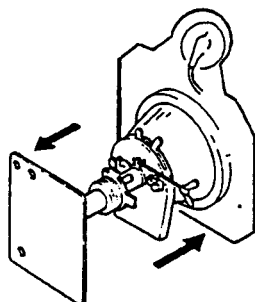


Fig.3-2

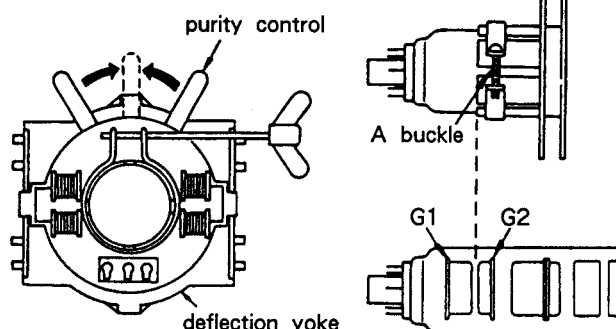


Fig.3-3

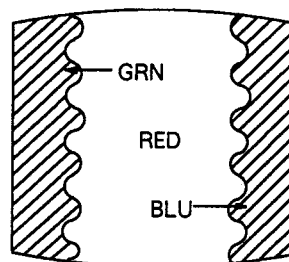
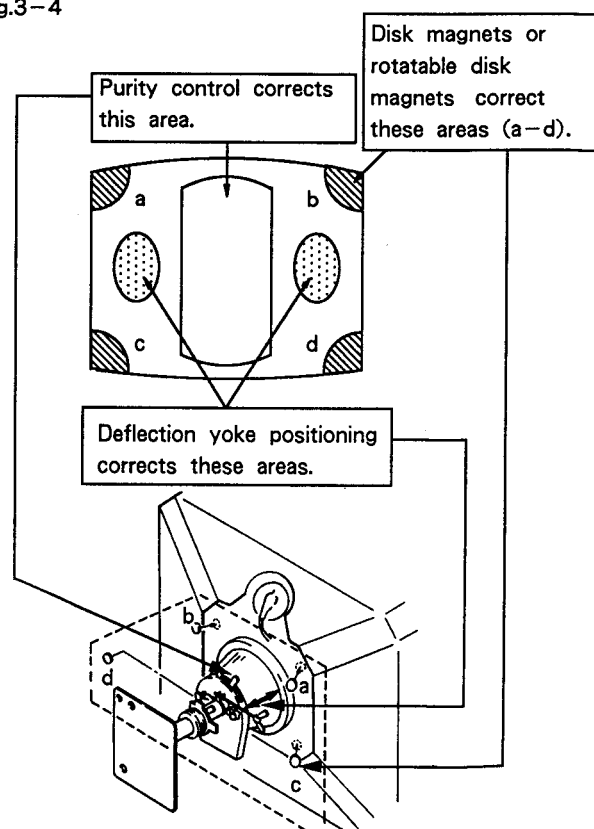


Fig.3-4

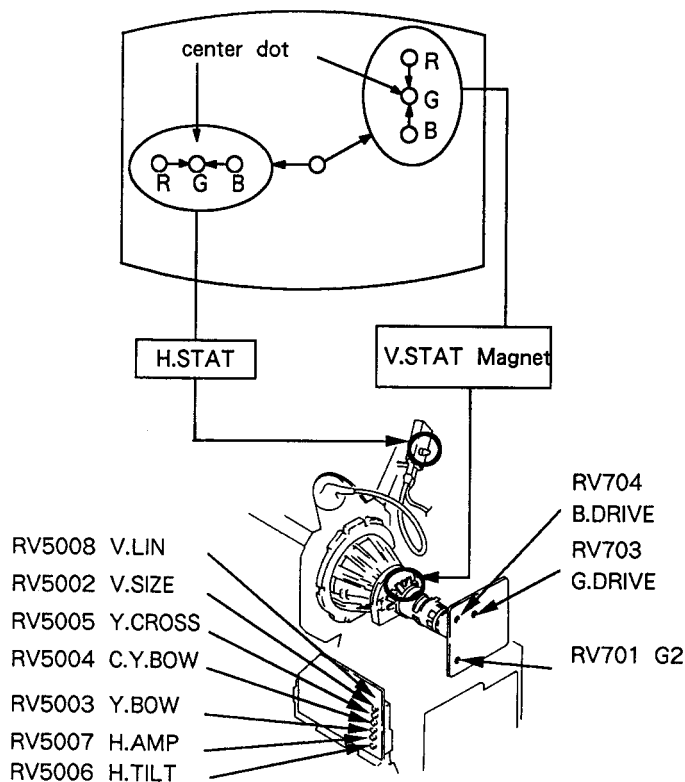


3-2. CONVERGENCE

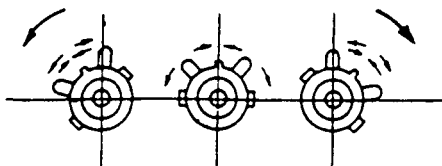
Preparation :

- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

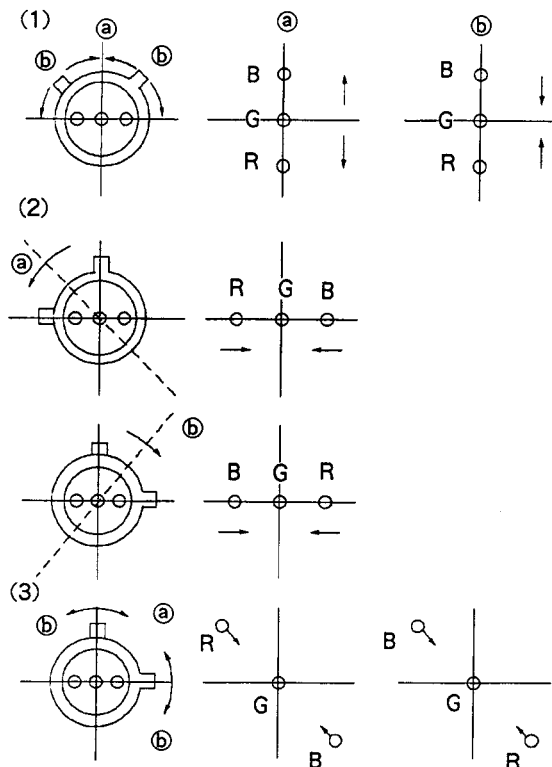
(1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen.(Horizontal movement)
 2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen.(Vertical movement)
 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below.
(In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.

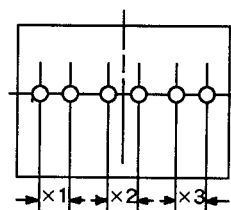


4. When the V. STAT magnet is moved in the direction of arrow ① and ②, red, green and blue dots move as shown below.

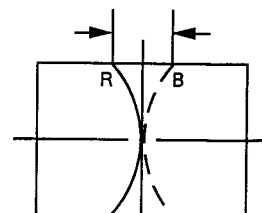


(2) Adjustment of Dynamic Convergence

1. Adjust H TILT (RV-5006) so that X₁, X₂, and X₃, are equal.
2. Adjust H AMP (RV-5007) so that X₂, and X₃, are equal.
3. Adjust H STATIC so that the dots are overlapped.
4. If dynamic convergence is not sufficiently adjusted after performing the above steps, repeat Steps 1 through 3 (Fig.3-5)

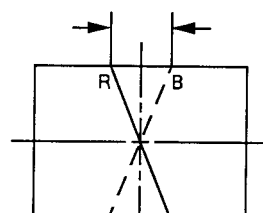


(Fig.3-5)



(Fig.3-6)

Adjust Y. BOW (RV-5003) to correct the arrow-shaped misconvergence along the y axis. (Fig.3-6)



(Fig.3-7)

Adjust Y. CROSS (RV-5005) to correct the cross misconvergence along the y axis.(Fig.3-7)

(3) Dynamic Convergence Adjustment

Preparation :

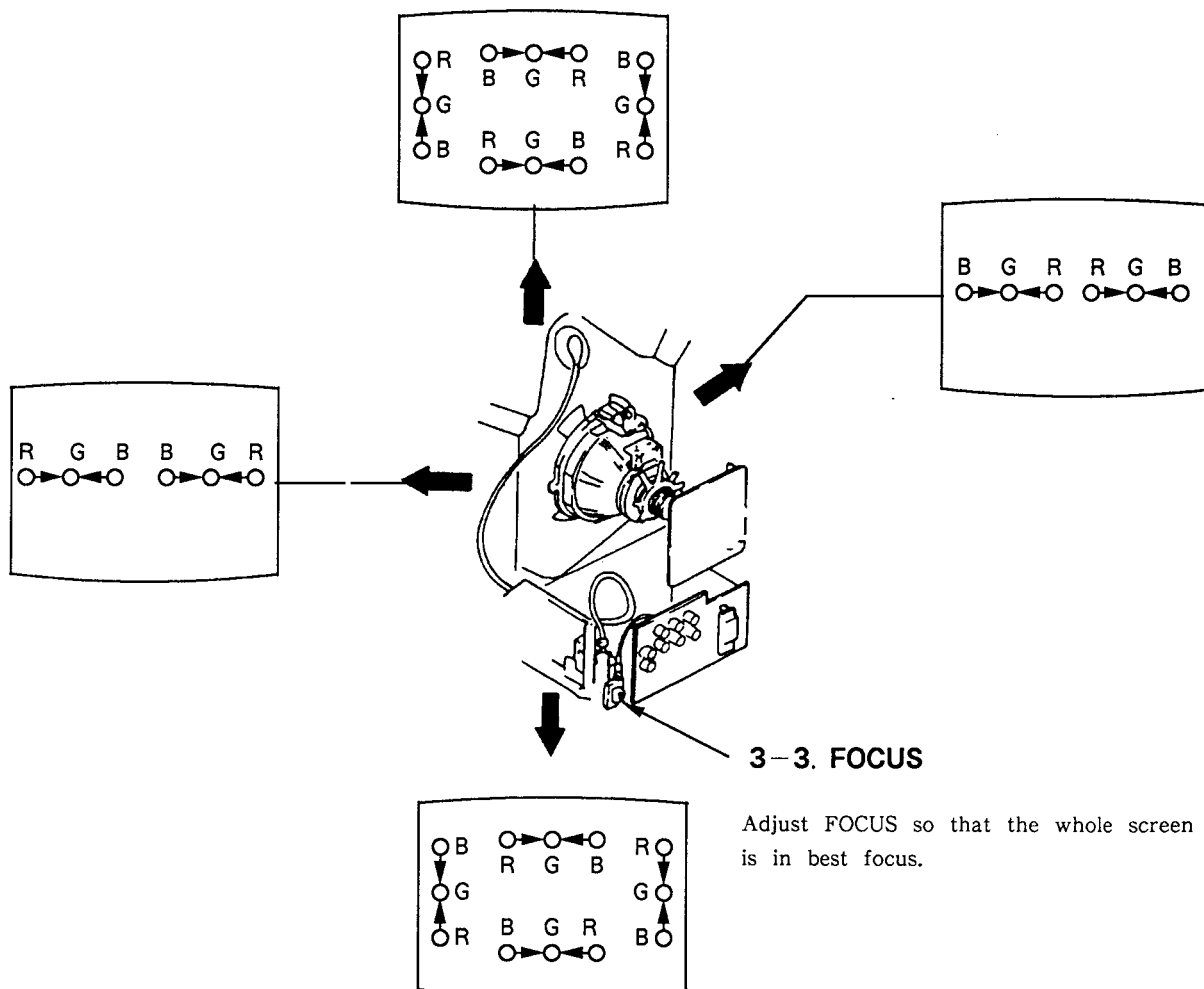
● Before starting, perform Horizontal and Vertical Static Convergence Adjustment..

1. Slightly loosen deflection yoke screw,
2. Remove deflection yoke spacers,

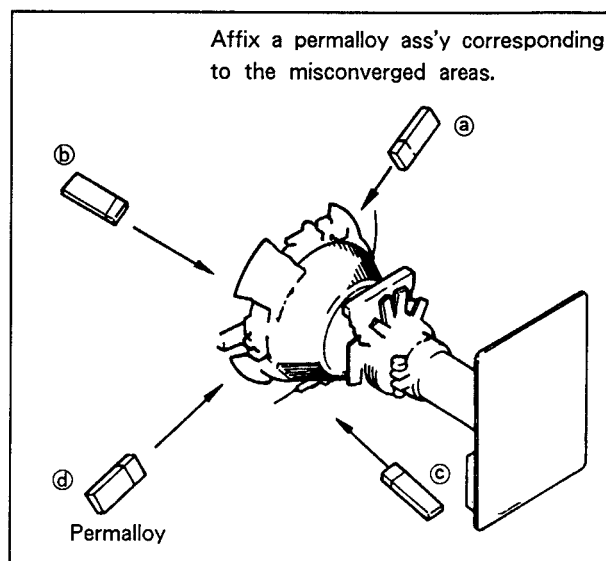
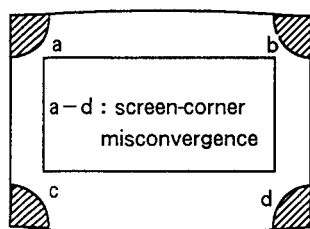
3. Move the deflection yoke for best convergence as shown below,

4. Tighten the deflection yoke screw,

5. Install the deflection yoke spacers,



(4) Screen - corner Convergence



3-4. WHITE BALANCE

[Screen (G2) Setting]

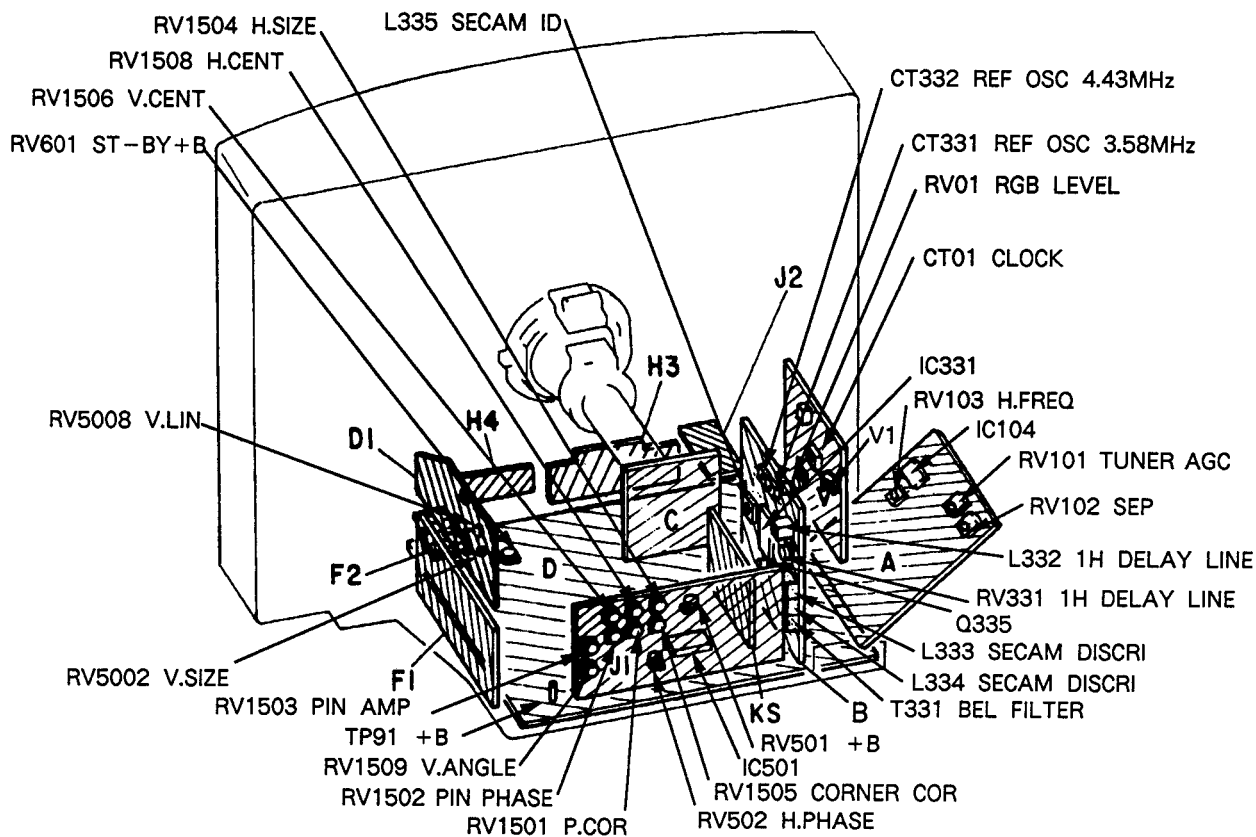
1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 170 V dc to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

[White Balance Adjustment]

1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

SECTION 4 CIRCUIT ADJUSTMENTS



4-1. A BOARD ADJUSTMENTS

TUNER AGC Adjustment (RV101)

1. Tune in an off-air signal.
2. Adjust RV101 so that snow-noise and cross-modulation just disappear from the picture.

STEREO SEPARATION Adjustment (RV102)

1. Input stereo signals. (L-CH 1kHz, R-CH 400Hz)
2. Check the stereo indicator.
3. Connect an oscilloscope to pin ① (L) of CNA11 through band pass filter of 1kHz.
4. Adjust RV102 so that 1kHz voltage goes down to the minimum.

H. FREQ. Adjustment (RV103)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑫ of IC104 and ground.
3. Connect a frequency counter to pin ⑥ of IC104 through a probe of 10:1.
4. Adjust RV103 so that H. frequency becomes $15,625 \pm 50\text{Hz}$.

4-2. B BOARD ADJUSTMENTS

REF OSC NTSC 3.58 MHz (CT331)

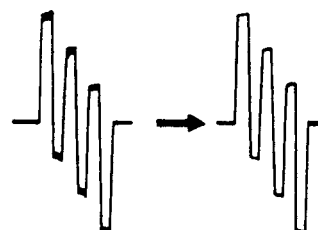
1. Input a NTSC 3.58MHz COLOR BAR pattern.
2. Short circuit between pin ⑦ of IC331 and ground.
3. Adjust CT331 to obtain color synchronization.
4. Remove the jumper wire from IC331.

REF OSC Adjustment NTSC 4.43 MHz (CT332)

1. Input a NTSC 4.43MHz COLOR BAR pattern.
2. Short circuit between pin ⑦ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

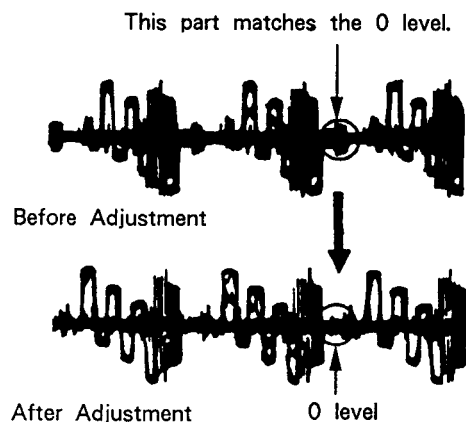
1H DELAY LINE Adjustment (L332, RV331)

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.



Before Adjustment After Adjustment

4. Input a TEST COLOR BAR pattern.
5. Rotate the RV331 control and adjust till the ANT PAL of the waveform part matches the 0 level.



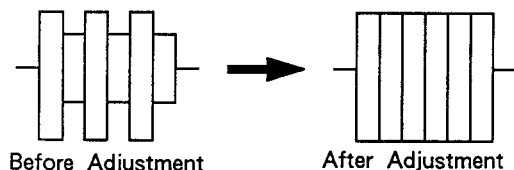
6. L332 and RV331 affect each other. Repeat till the conditions of both meet.

SECAM ID Adjustment (L335)

1. Input a SECAM COLOR BAR pattern.
2. Connect a Digital Multimeter at pin ② of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

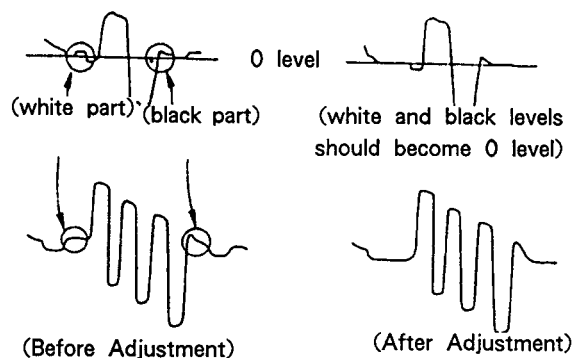
BELL FILTER Adjustment (T331)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q335 emitter.
3. Adjust T331 so that the waveform becomes flat.



SECAM DISCRI Adjustment (L333, L334)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC331.
3. Adjust L333 so that white and black parts of the waveform of pin ① becomes 0 level.
4. Connect an oscilloscope to pin ③ of IC331.
5. Adjust L334 so that white and black part of the waveform of pin ③ becomes 0 level.



4-3. D BOARD ADJUSTMENTS

+B Adjustment (RV501)

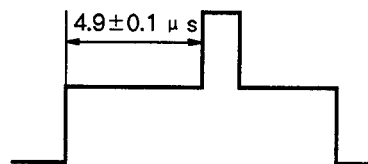
1. Connect a Digital Multimeter to TP91.
2. Adjust RV501 so that the voltage becomes 135 ± 0.2 V.

ST-BY +B Adjustment (RV601)

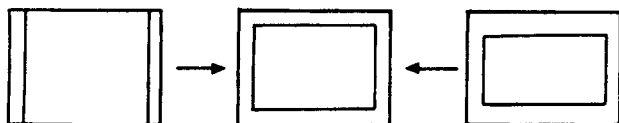
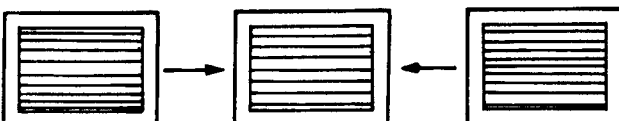
1. Set up ϕ standby (Remote Commander) mode.
2. Connect the Digital Multimeter to TP91.
3. Adjust RV601 so that the voltage becomes 135 ± 3 V.
4. Release the ϕ standby (Remote Commander) mode.

H. PHASE Adjustment (RV502)

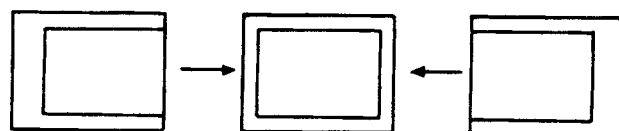
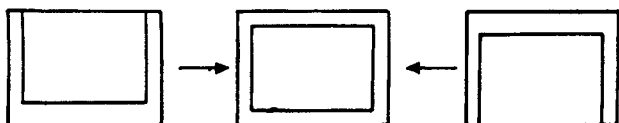
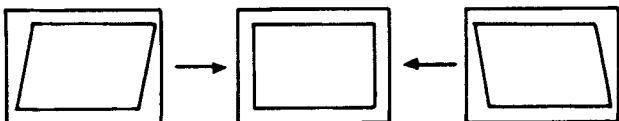
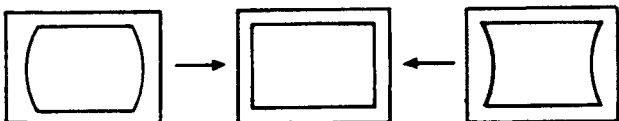
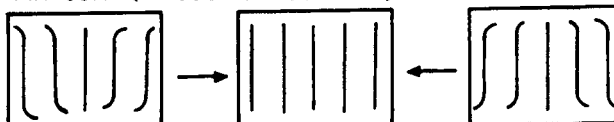
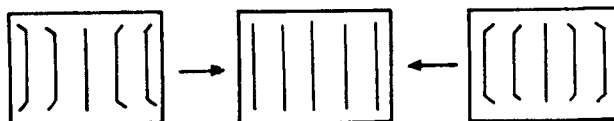
1. Input a PAL TEST COLOR BAR pattern.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H. CENT) to the mechanical center position.
4. Connect an oscilloscope to pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block T to $4.9 \pm 0.1 \mu s$.



4-4. D, BOARD ADJUSTMENTS

RV5002
V.SIZE (VERTICAL SIZE)RV5008
V.LIN (VERTICAL LINEARITY)

4-5. J, BOARD ADJUSTMENTS

RV1508
H.CENT (HORIZONTAL CENTER)RV1504
H.SIZE (HORIZONTAL SIZE)RV1506
V.CENT (VERTICAL CENTER)RV1509
V.ANGLE (VERTICAL ANGLE)RV1503
PIN AMP (PINCUSHION AMPLIFIER)RV1502
PIN PHASE (PINCUSHION PHASE)RV1501
PIN COR (PINCUSHION CORRECT)RV1505
CORNER COR (CORNER CORRECT)

4-6. V BOARD ADJUSTMENTS

Clock Adjustment (CT01)

1. Disconnect the V-1 connector.
2. Set up the TELE TEXT mode.
3. Adjust CT01 to stop pictures from scrolling.

RGB Level Adjustment (RV01)

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes 0.65V.

4-7. SUB ADJUSTMENTS

SUB BRIGHTNESS Adjustment

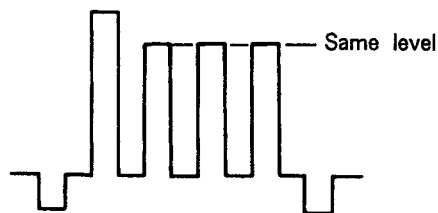
1. Receive and display a TEST COLOR BAR pattern.
2. Push → • ← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Reduce the ● CONTRAST to the minimum level.
6. Adjust the ✱ BRIGHTNESS control until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.
7. Push the AFT button. (SUB mode is cleared)

Where no TEST COLOR BAR pattern is available,

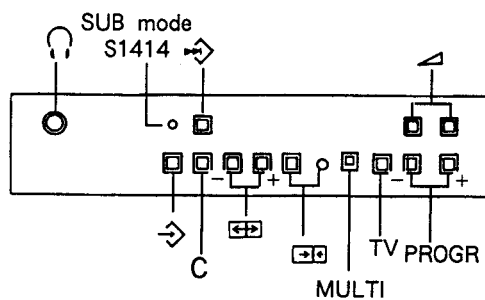
1. Display a COLOR BAR pattern.
2. Push → • ← on the remote commander to invoke the normal state.
Set the ● COLOR to normal mode.
Steps 3-5 are the same as above.
6. 20 IRE is close to blue, so adjust the ✱ BRIGHTNESS control till blue is faintly luminous.
7. Same as Step 7 above.
8. Push → • ← on the remote commander to invoke the normal state.
- * When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

SUB COLOR Adjustment

1. Display a COLOR BAR pattern.
2. Push →•← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Adjust the COLOR control until the B out (pin ② of CNC72 connector on C board) waveform becomes as shown below.
6. Push the AFT button.(SUB mode is cleared.)

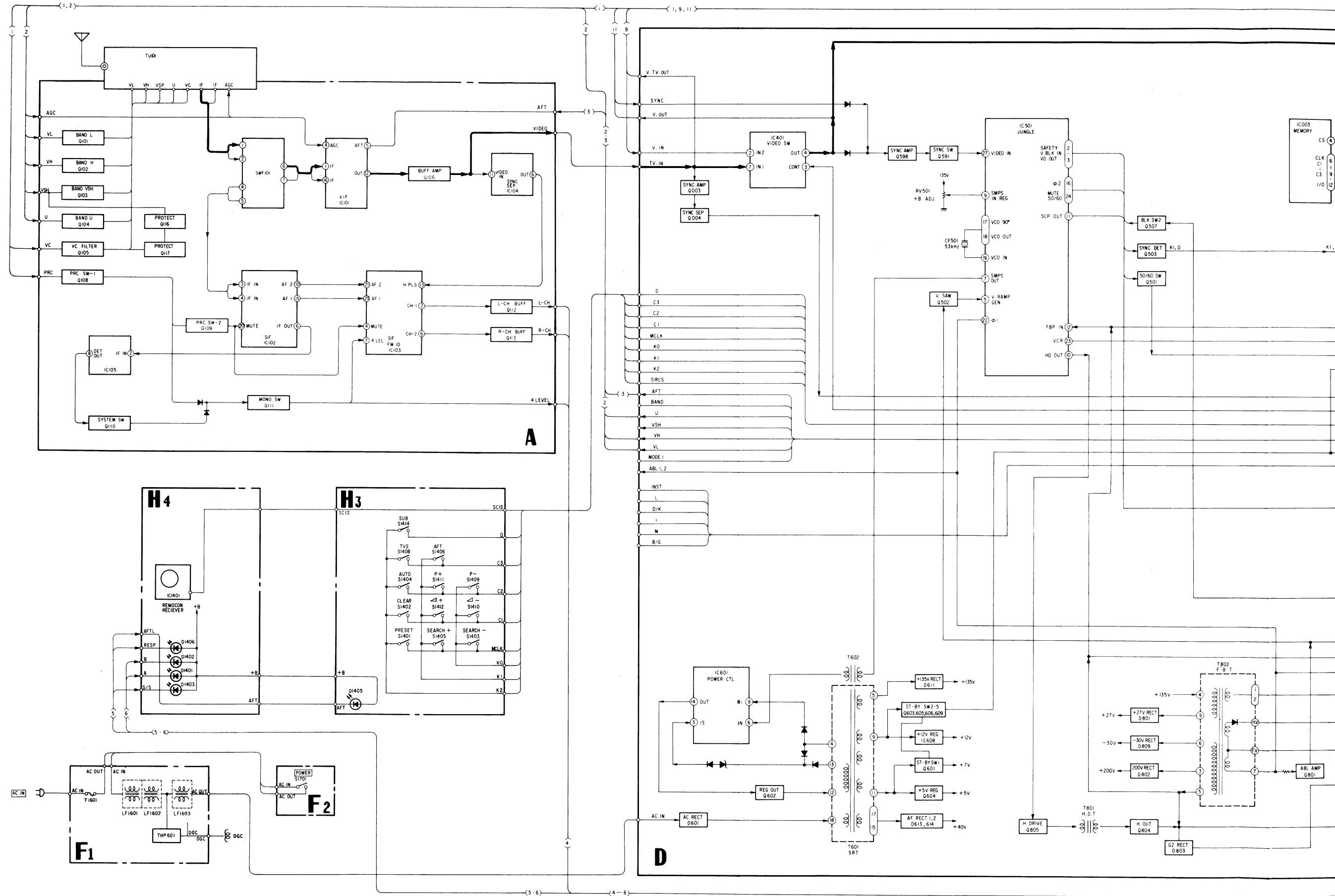


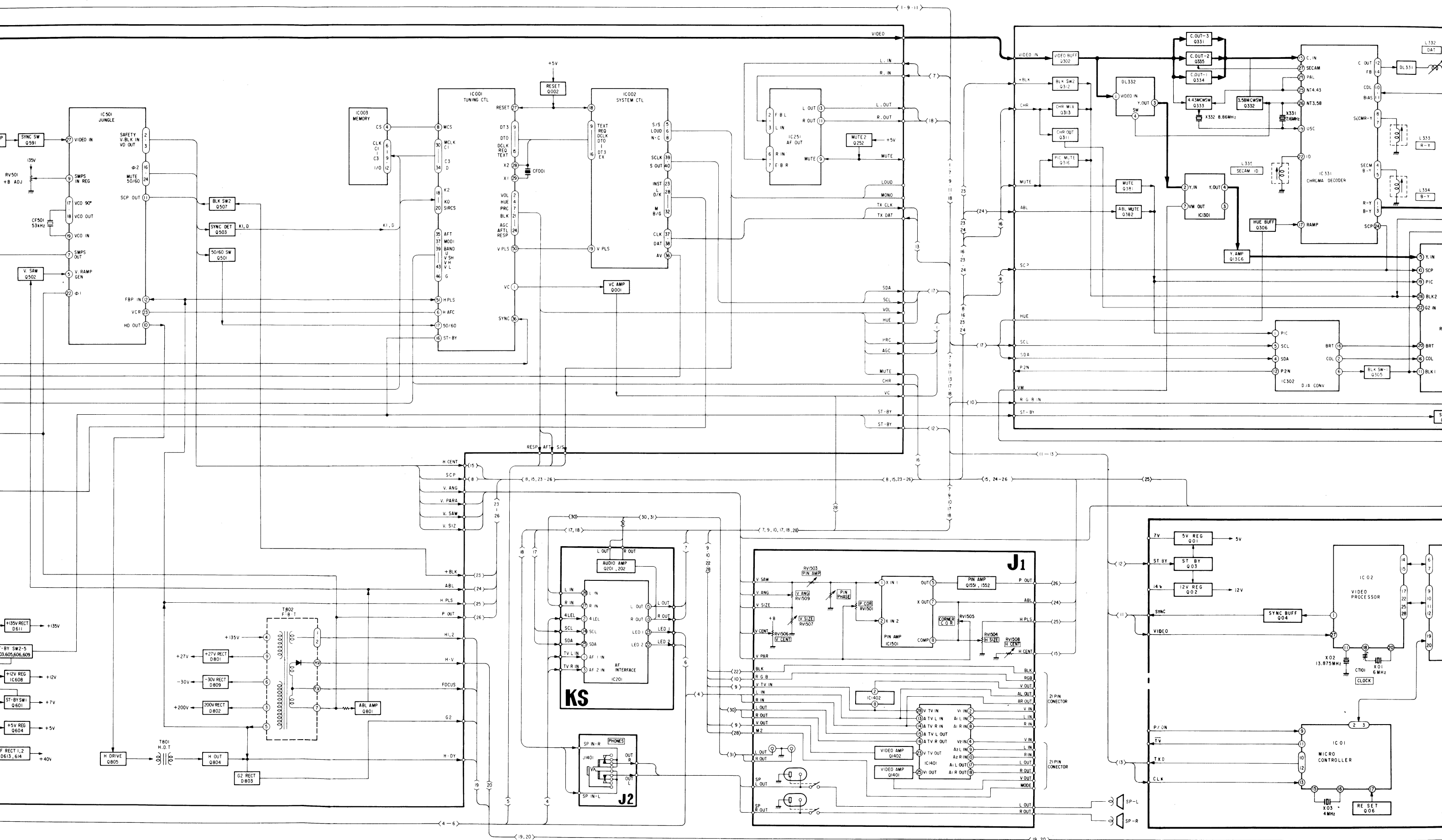
- * When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S (SUB mode) is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

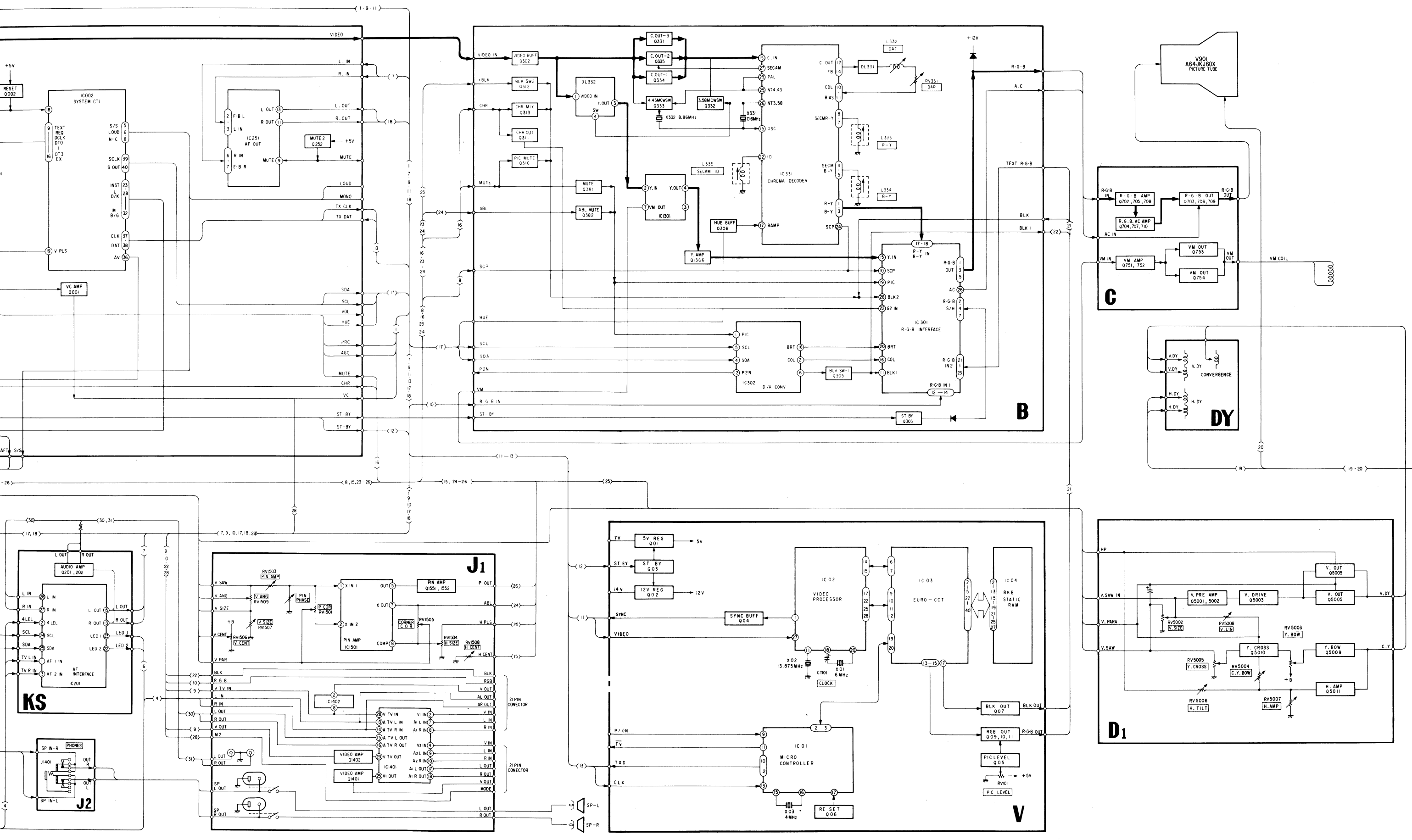


SECTION 5
DIAGRAMS

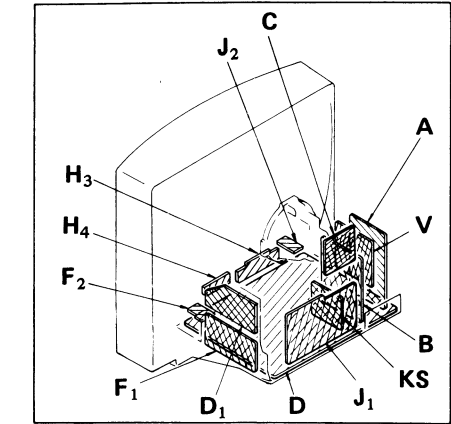
5-1. BLOCK DIAGRAM







5-2. CIRCUIT BOARDS LOCATION



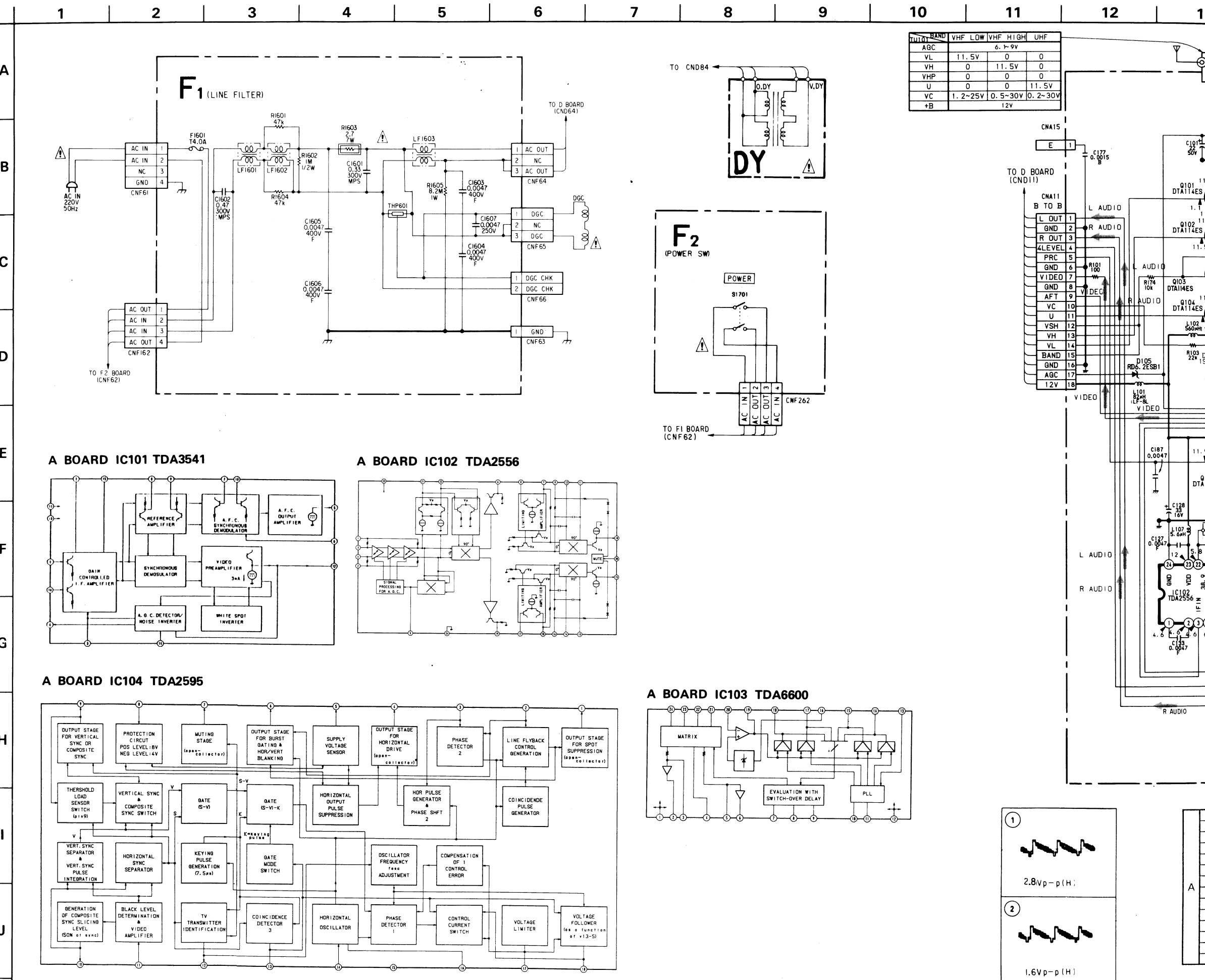
- Note :
- All capacitors are in μF unless otherwise noted. pF : $\mu\mu F$
50WV or less are not indicated except for electrolytics.
 - Indication of resistance, which does not have one for rating electrical power is as follows.
- Pitch : 5mm
Rating electrical power : 1/4W
- All resistors are in ohms.
 - : nonflammable resistor.
 - : fusible resistor.
 - : internal component.
 - : panel designation.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - All voltages are in V.
 - Readings are taken with a 10M Ω digital multimeter.
 - Readings are taken with a color-bar signal input.
- no mark : PAL
< > : SECAM
() : NTSC 3.58MHz
[] : NTSC 4.43MHz
- : adjustment for repair.
 - Voltage variations may be noted due to normal production tolerances.
 - : B+ line
 - : B- line
 - : signal path.

Reference information

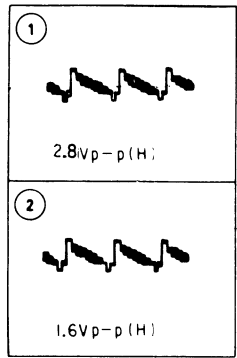
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE WIREWOUND
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ABL	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

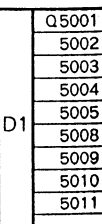
Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

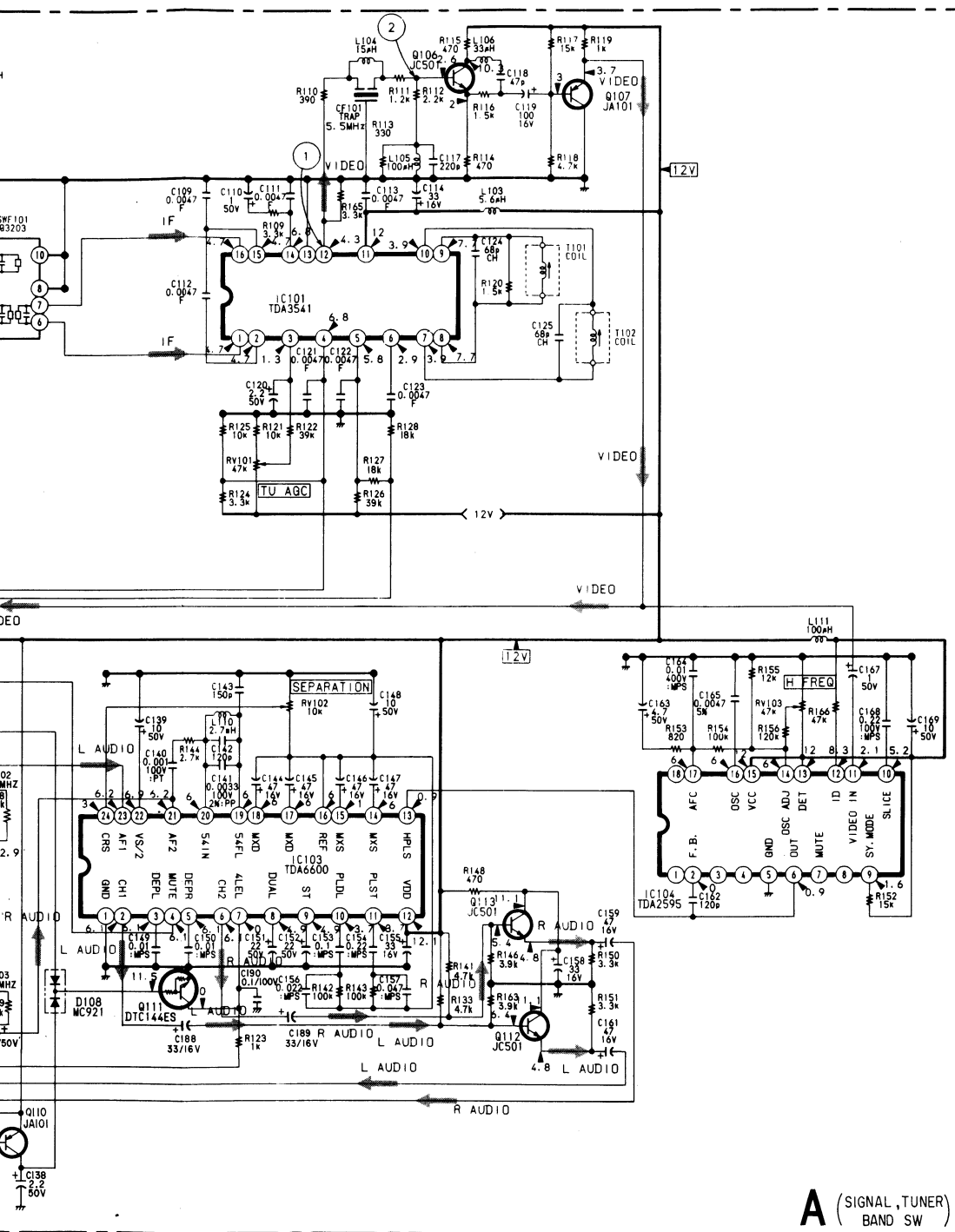
5-3. SCHEMATIC DIAGRAM (1)



BAND	VHF LOW	VHF HIGH	UHF
AGC	6.1-9V		
VL	11.5V	0	0
VH	0	11.5V	0
VHP	0	0	11.5V
U	0	0	11.5V
VC	1.2-25V	0.5-30V	0.2-30V
+B		12V	







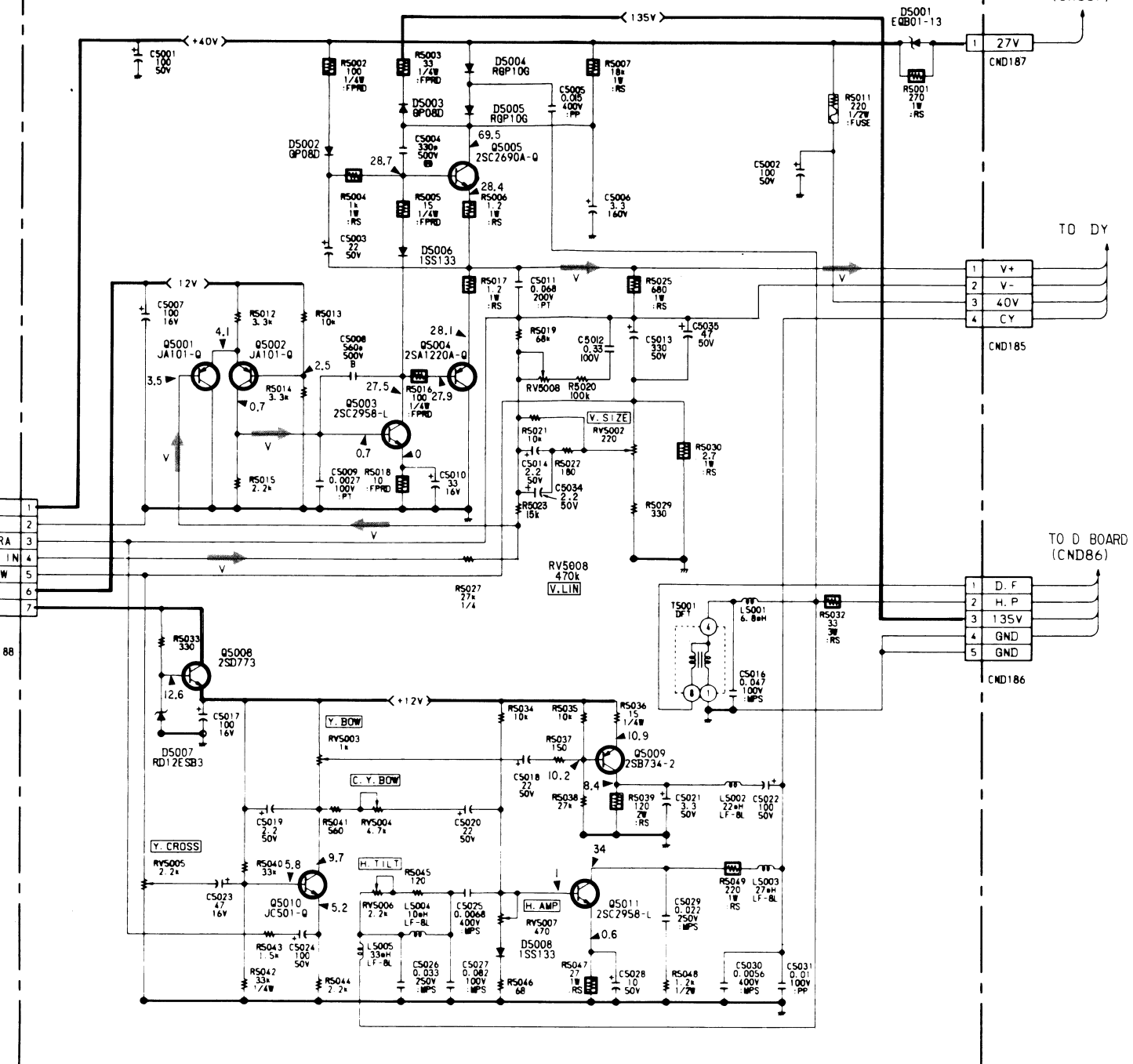
109	DTC114ES	PRC SW
110	JA101	SYSTEM SW
111	DTC144ES	MONO SW
112	JC501	AF BUFF L
113	JC501	AF BUFF R
116	DTA144ES	SW
117	JA101	SW
D105	RD6.2ESB1	SEARCH AGC
106	1SS133	VC STOP
108	MC912	SYSTEM SW
110	1SS133	PROTECT
111	RD3.6ESB1	PROTECT

TO D BOARD
(CND88)

40V	1
GND	2
V PARA	3
V SAW IN	4
V SAW	5
12V	6
14V	7

CND188

D1

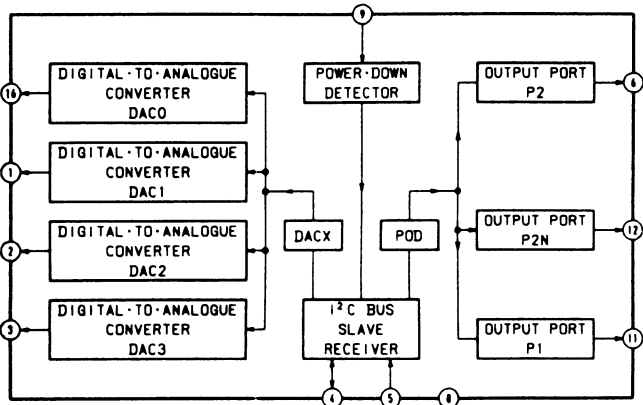
TO C BOARD
(CNC87)

TO DY

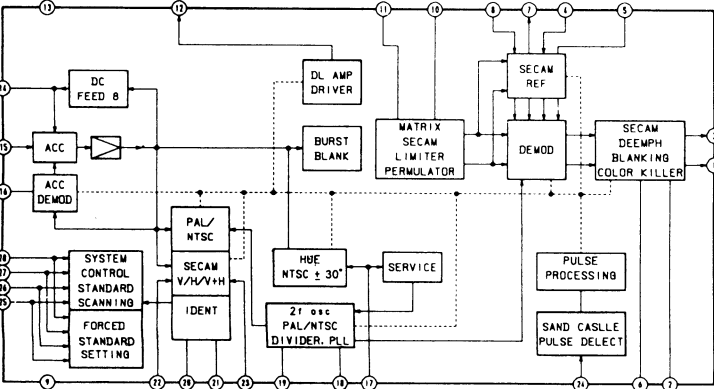
TO D BOARD
(CND86)

Q5001	JA101	V.AMP	D5001	EQB01-13	13V ZENER
5002	JA101	V.PREAMP	5002	GP08DPKG23	CC STOP
5003	2SC2958	V.DRIVE	5003	GP08DPKG23	PROTECT
5004	2SA1220	V.OUT	5004	RG10GPKG23	V.DRIVE
5005	2SC2690	V.OUT	5005	RG10GPKG23	V.DRIVE
5008	2SD773	REG	5006	1SS133	CC DEF
5009	2SB734	Y.BOW	5007	RD12ES-B3	REG
5010	JC501	Y.CROSS	5008	1SS133	CC DEF
5011	2SC2958	H.AMP			

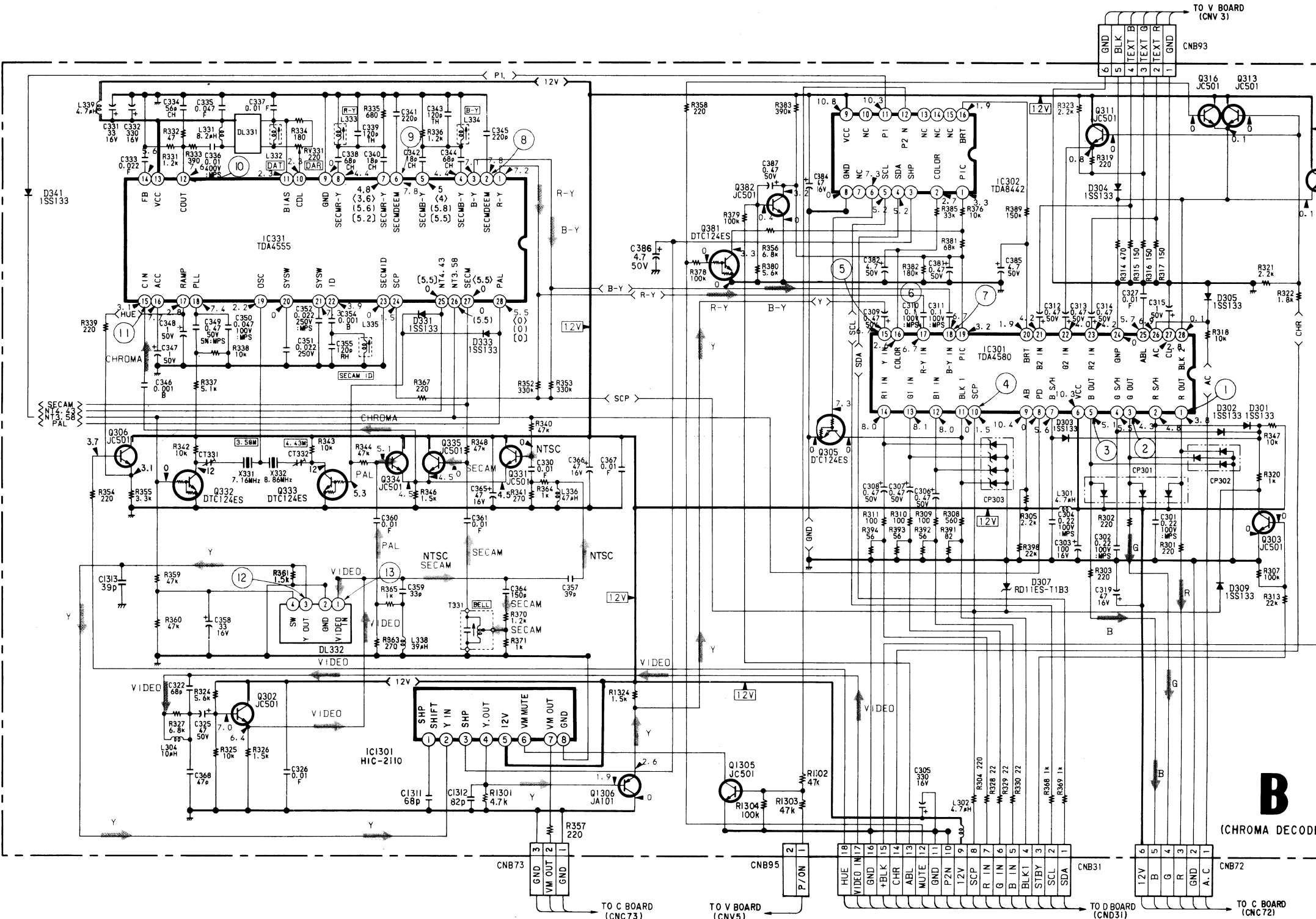
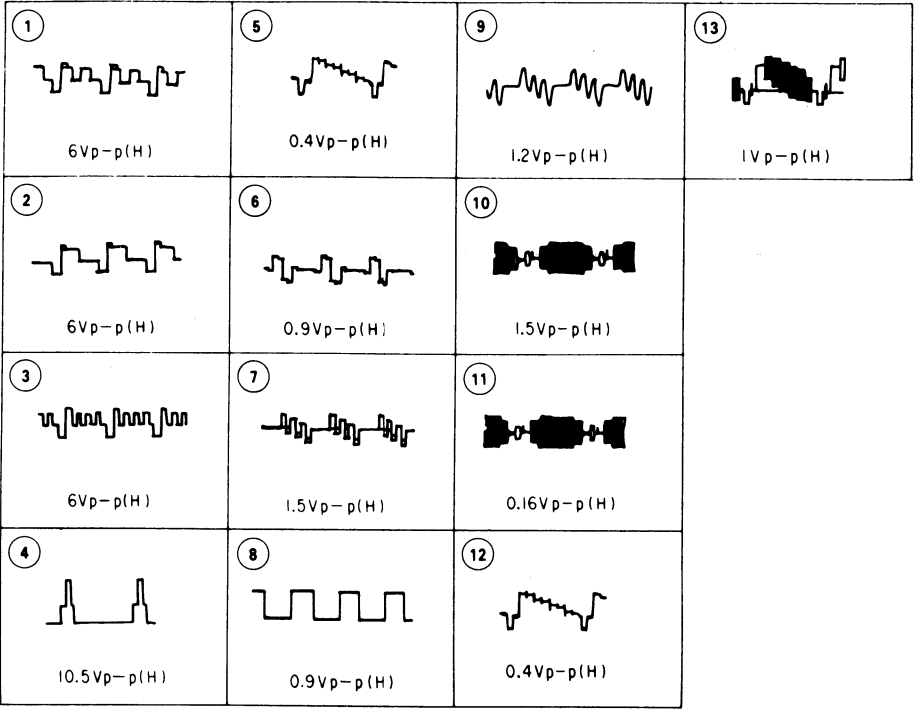
B BOARD IC302 TDA8442



B BOARD IC331 TDA4555



• B BOARD WAVEFORM



B	IC 301	TDA4580	RGB INTERFACE	316	JC501	PIC MUTE	D 301	1SS133	ST BY MU
	302	TDA8442	D/A CONVERTOR	331	JC501	CROMA OUT-3	302	1SS133	ST BY MU
	331	TDA4555	CHROMA DECODER	332	DTC124ES	3.58M SW	303	1SS133	ST BY MU
	1301	HIC-2110	Y.VM AMP	333	DTC124ES	4.43M SW	304	1SS133	BLK SW
				334	JC501	CHROMA OUT-1	305	1SS133	PROTECT
	Q 302	JC501	VIDEO BUFF	335	JC501	CHROMA OUT-2	307	RD11ES-B3	PROTECT
	303	JC501	ST BY SW	381	DTC124ES	MUTE	309	1SS133	SPOT PRO
	305	DTC124ES	BLK SW-1	382	JC501	ABL MUTE	331	1SS133	SYSTEM S
	306	JC501	HUE BUFF	1305	JC501	P/ON	333	1SS133	SYSTEM S
	311	JC501	CHR OUT	1306	JA101	Y BUFF	341	1SS133	SYSTEM S
	312	JC501	BLK SW-2						
	313	JC501	CHR MIX						

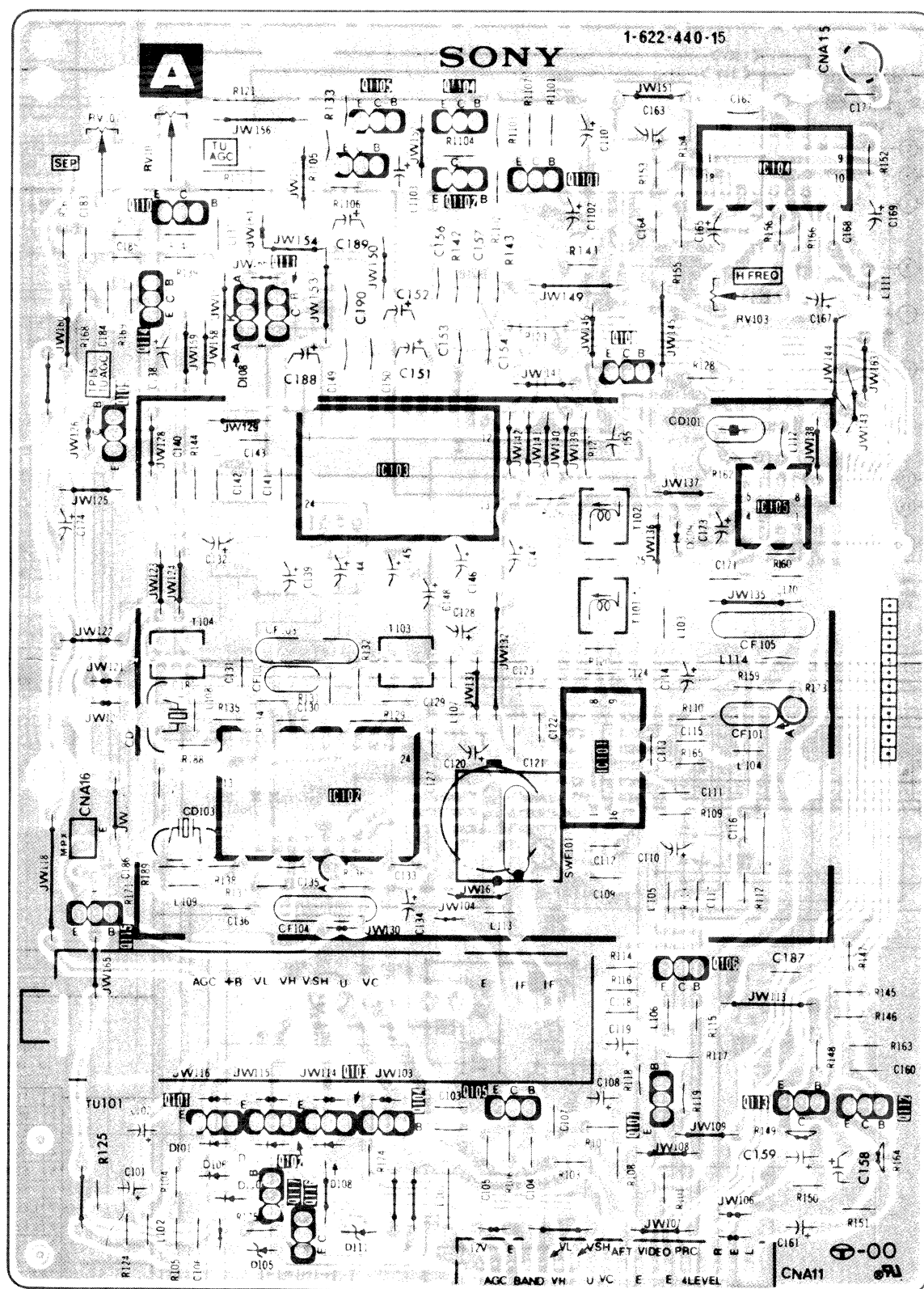
A[SIGNAL TUNER
BAND SW]**B**[CHROMA
DECODER]**D1****F1**

[LINE FILTER]

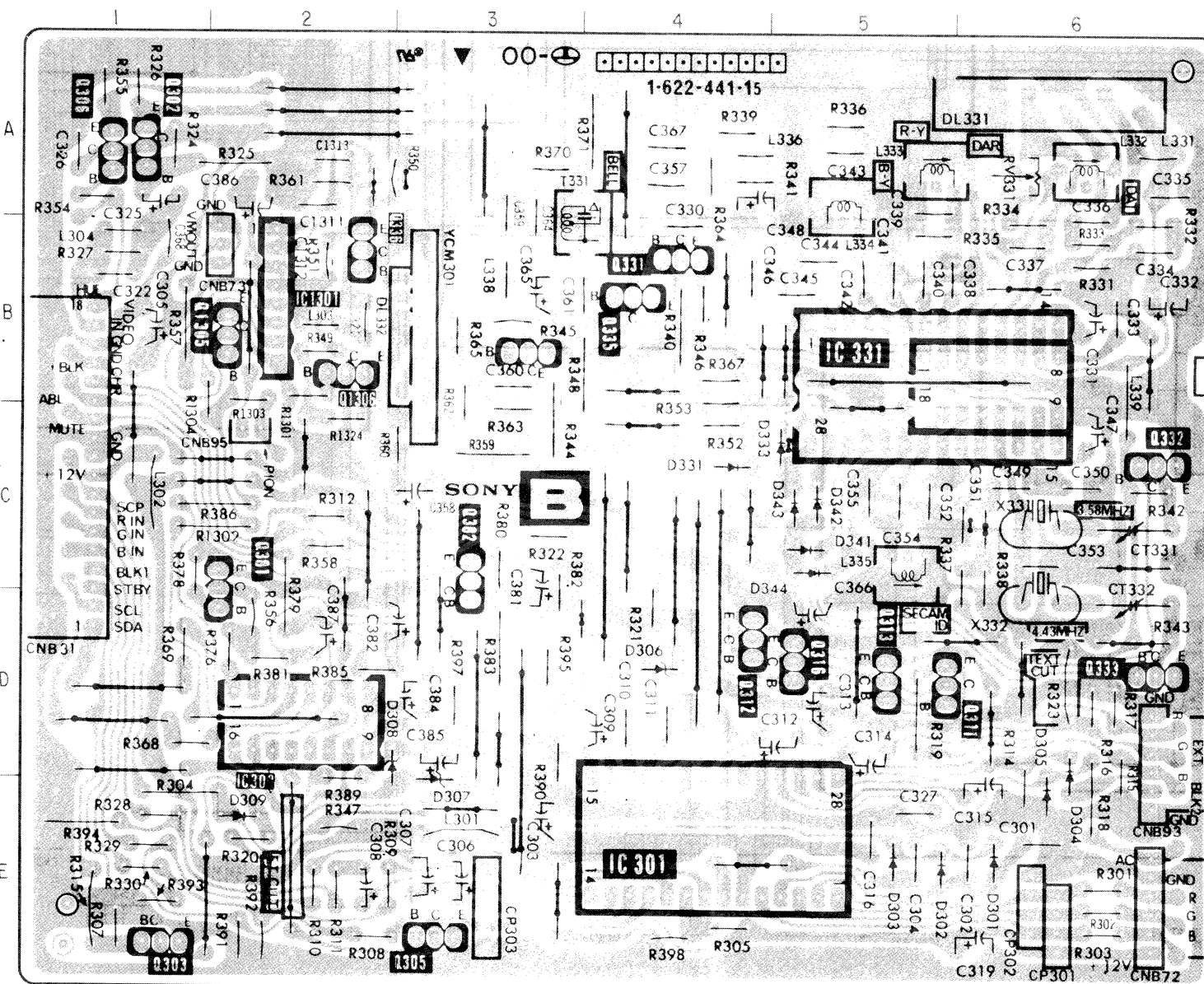
F2

[POWER SUPPLY]

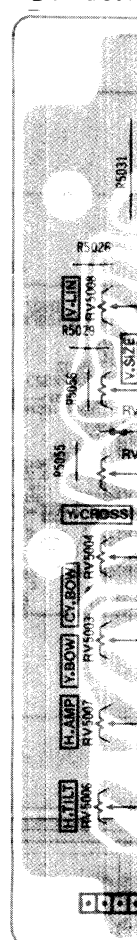
- A Board -



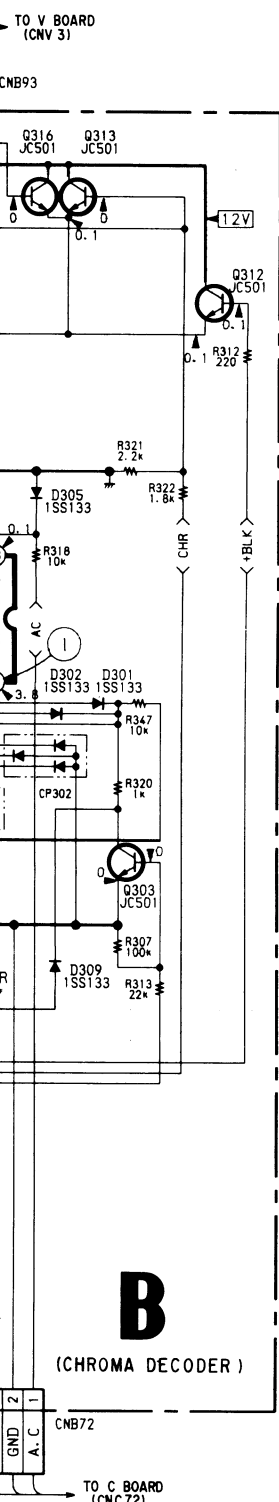
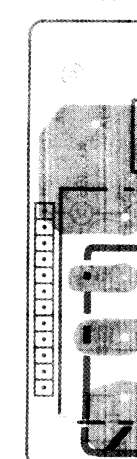
- B Board -



- D1 Board -



- F1 Board -



33	ST BY MUTE-1
33	ST BY MUTE-2
33	ST BY MUTE-3
33	BLK SW
33	PROTECT
ES-B3	PROTECT
33	SPOT PROTECT
33	SYSTEM SW-1
33	SYSTEM SW-2
33	SYSTEM SW-3

IC		DIODE	
IC301	E-4	D301	E-
IC302	D-2	D302	E-
IC303	B-5	D303	E-
		D304	E-
		D305	E-
TRANSISTOR			
Q302	A-1	D306	D-
Q303	E-1	D307	E-
Q305	E-3	D308	D-
Q311	D-5	D342	C-
Q312	D-4	D343	C-
		D344	C-
		VARIABLE RESISTOR	
Q313	D-5	RV331	A-
Q316	D-5		
Q334	B-3		
Q335	B-4		
Q336	B-2		
Q381	C-2	CT331	C-
Q382	C-3	CT332	D-
Q1305	B-2		
Q1306	B-2		

SONY

1-622-440-15

SEP

TU AGC

H FREQ

CNA16

CNA11

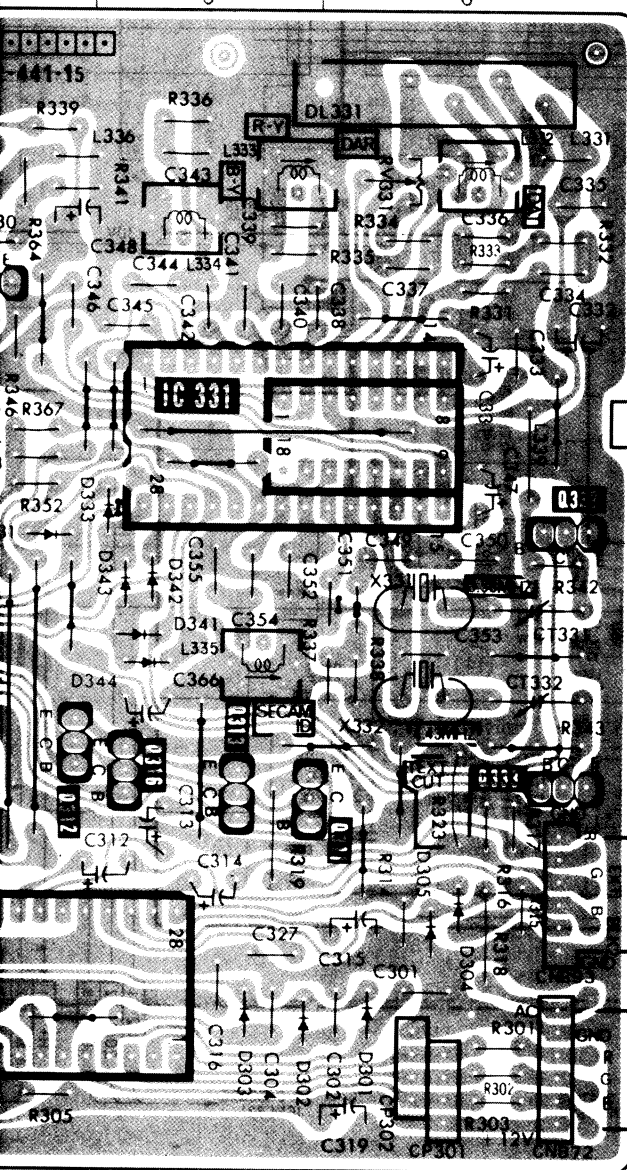
AGC + R VL VH VSM U VC

IF AF

VIDEO PRC

AGC BAND VH U VC E E ALEVEL

IC		DIODE	
IC301	E-4	D301	E-
IC302	D-2	D302	E-
IC331	B-5	D303	E-
		D304	E-
		D305	E-
TRANSISTOR		D306	D-
Q302	A-1	D307	E-
Q303	E-1	D308	D-
Q305	E-3	D342	C-
Q311	D-5	D343	C-
Q312	D-4	D344	C-
Q313	D-5		
Q316	D-5		
Q334	B-3		
Q335	B-4		
Q336	B-2		
Q381	C-2		
Q382	C-3		
Q1305	B-2		
Q1306	B-2		

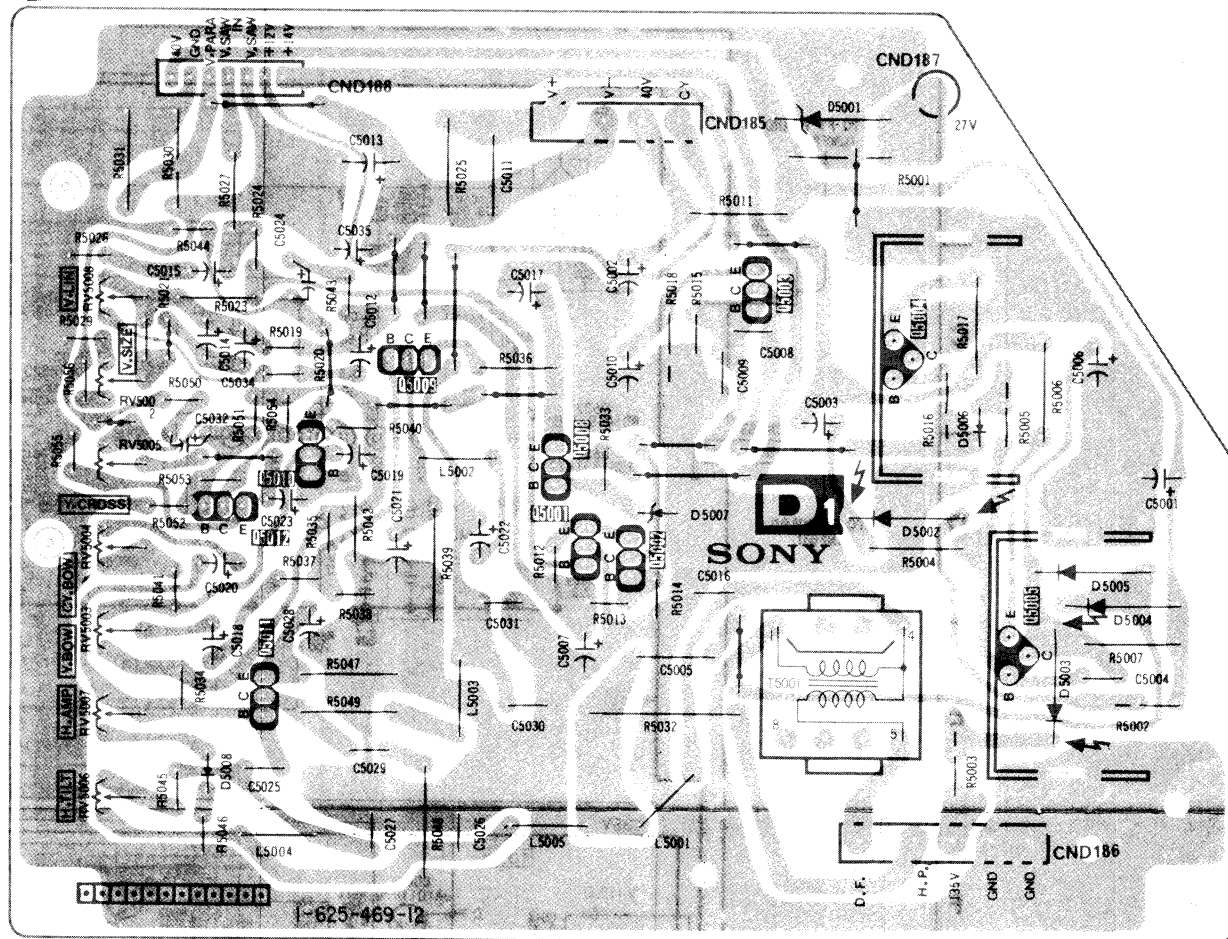
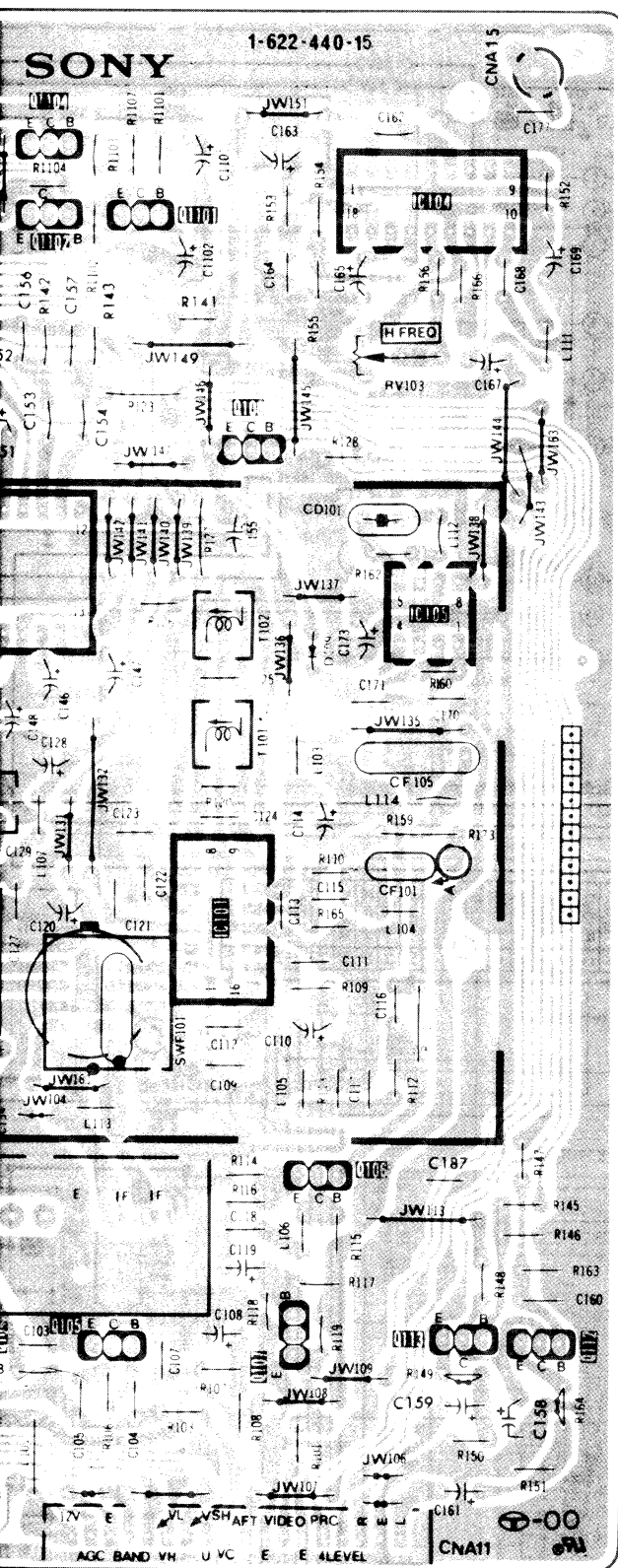


The diagram illustrates the internal wiring and component layout of the Sony CNF262 camera module. Key components and labels include:

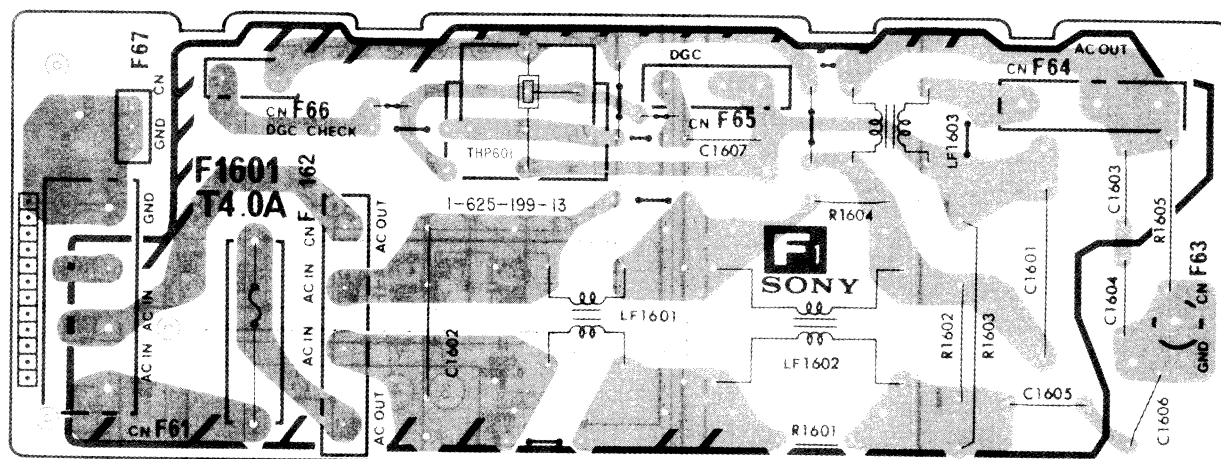
- S1701**: Lens assembly at the top left.
- F2**: Sensor or filter component in the center.
- AC IN**: AC input terminals on the right side.
- AC OUT**: AC output terminals on the right side.
- CNF262**: Camera module identifier at the bottom right.
- SONY**: Sony logo at the bottom.

The diagram shows a complex network of wires connecting these components, with a series of small circular components (likely capacitors or resistors) along the bottom edge.

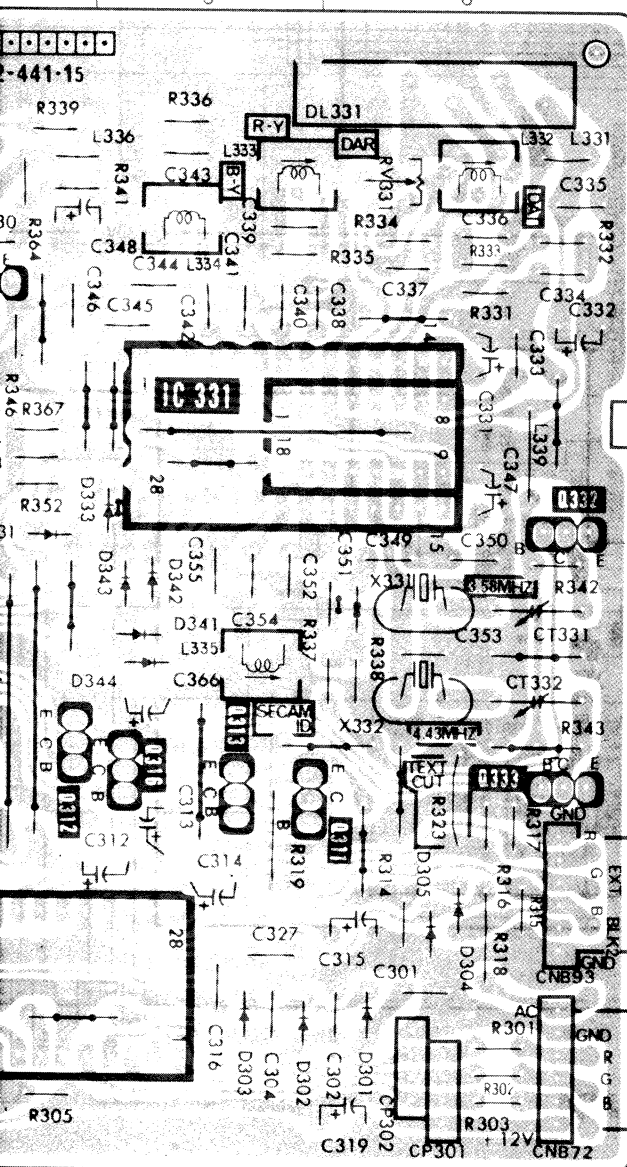
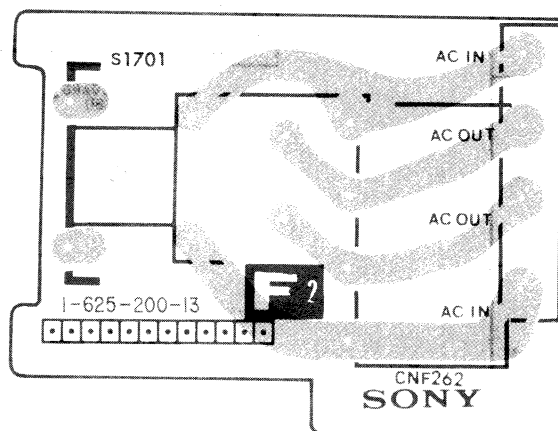
IC		DIODE	
IC301	E-4	D301	E-6
IC302	D-2	D302	E-5
IC331	B-5	D303	E-5
		D304	E-6
		D305	E-6
TRANSISTOR			
Q302	A-1	D306	D-4
Q303	E-1	D307	E-3
Q305	E-3	D308	D-2
Q311	D-5	D342	C-5
Q312	D-4	D343	C-5
		D344	C-5
Q313	D-5		
Q316	D-5	VARIABLE RESISTOR	
Q334	B-3	RV331	A-6
Q335	B-4	CT331	C-6
Q336	B-2	CT332	D-6
Q381	C-2		
Q382	C-3		
Q1305	B-2		
Q1306	B-2		



—F1 Board—



—F2 Board—

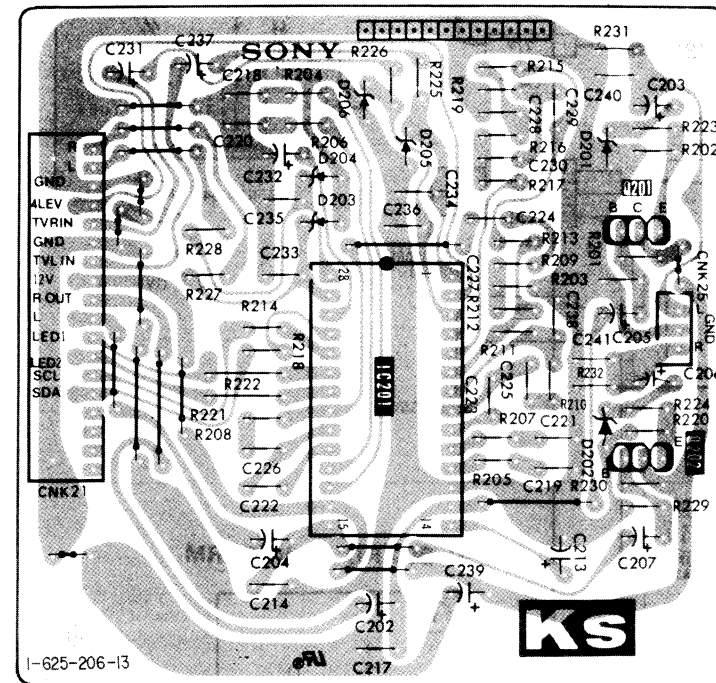


IC		DIODE	
IC301	E-4	D301	E-6
IC302	D-2	D302	E-5
IC331	B-5	D303	E-5
		D304	E-6
		D305	E-6
TRANSISTOR			
		D306	D-4
Q302	A-1	D307	E-3
Q303	E-1	D308	D-2
Q305	E-3	D342	C-5
Q311	D-5	D343	C-5
Q312	D-4	D344	C-5
Q313	D-5		
Q316	D-5	VARIABLE RESISTOR	
Q334	B-3	RV331	A-6
Q335	B-4		
Q336	B-2	CT331	C-6
		CT332	D-6
Q381	C-2		
Q382	C-3		
Q1305	B-2		
Q1306	B-2		

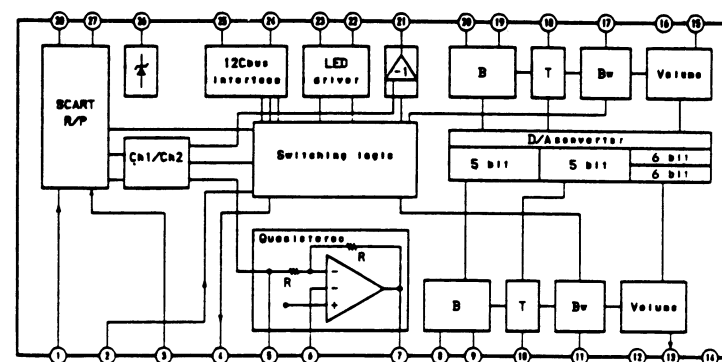
[STEREO] **KS****D** [AF OUT Y-CHROMA]
[JUNGLE V-H DEF]

PRINTED WIRING BOARDS (2)

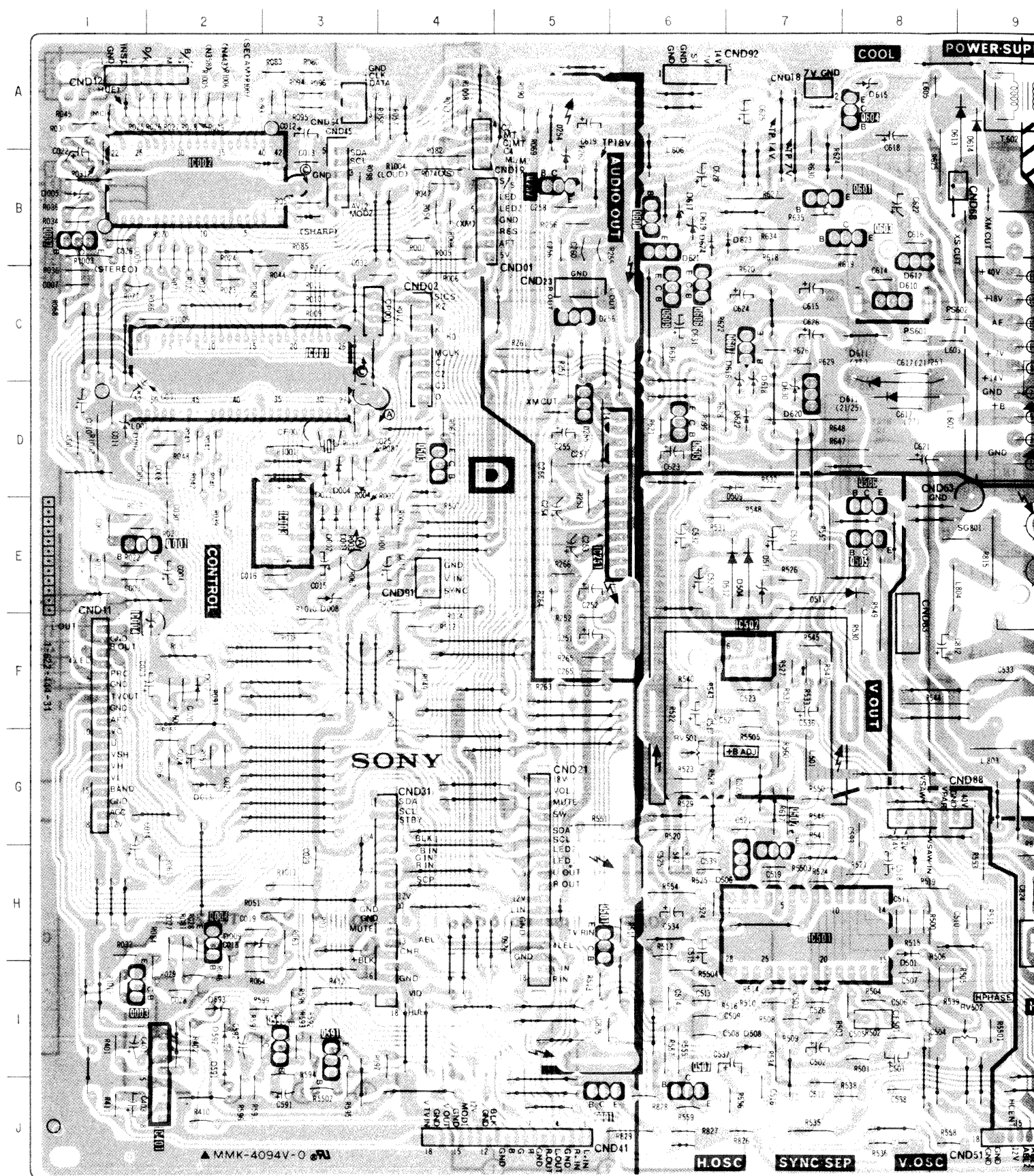
-KS Board-



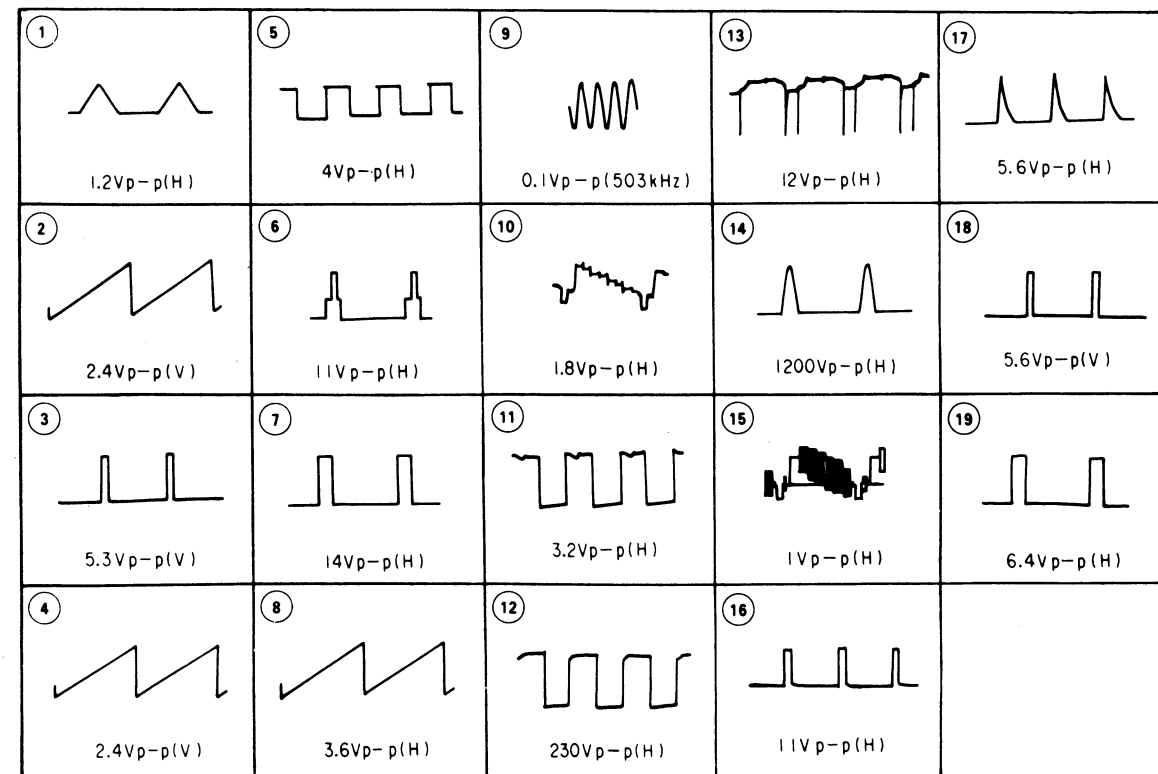
KS BOARD IC201 TDA6200



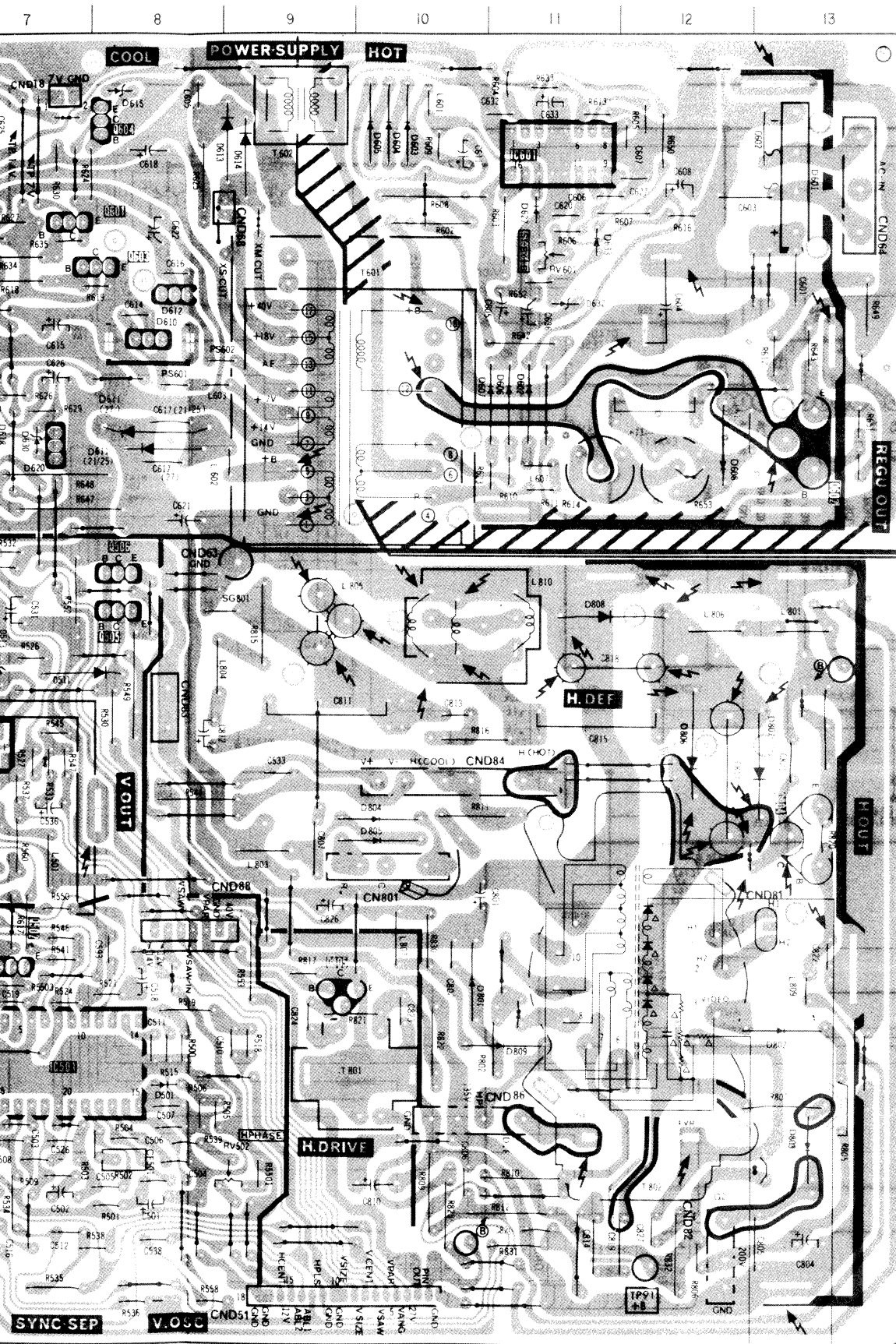
-D Board-



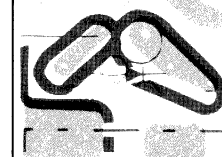
• D BOARD WAVEFORM



D



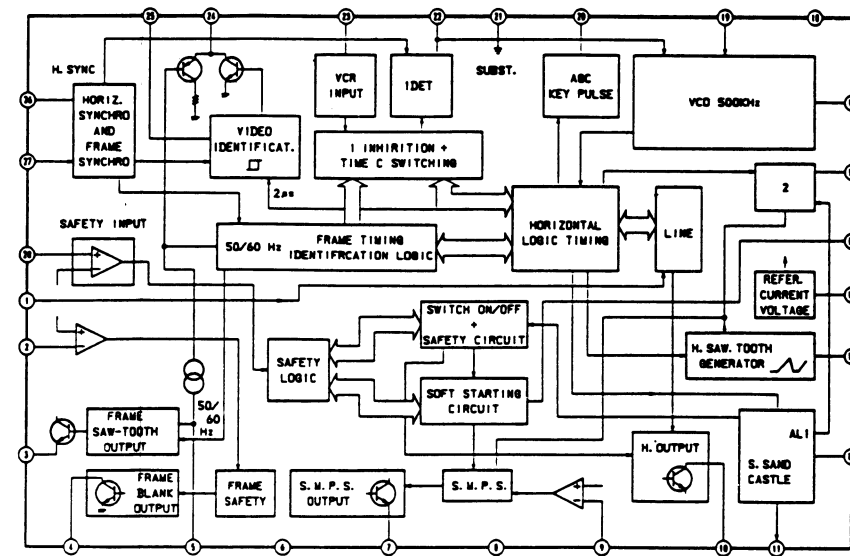
IC			
IC001	C-3	D508	I-7
IC002	B-2	D509	D-7
IC003	E-3	D511	E-8
IC004	F-2	D512	E-7
IC251	E-6	D513	E-7
		D591	I-2
IC401	J-2	D592	I-2
IC501	H-7	D593	I-2
IC502	F-7	D601	B-13
IC601	A-11	D602	C-11
		D603	A-10
TRANSISTOR			
Q001	E-1	D604	A-10
Q002	B-1	D605	A-10
Q003	I-1	D606	C-11
Q004	H-2	D607	C-11
Q252	B-5	D608	D-11
Q501	H-5	D610	C-8
Q502	H-7	D611	D-8
Q503	D-4	D612	C-8
Q505	E-8	D613	A-9
Q506	E-8	D614	A-9
Q507	J-6	D615	A-7
Q591	I-3	D616	D-7
Q598	I-3	D617	B-6
Q601	B-7	D618	D-7
Q602	D-13	D619	B-6
Q603	B-8	D620	C-7
Q604	A-8	D621	B-6
Q605	D-6	D622	D-7
Q606	C-6	D623	B-7
Q607	C-7	D624	B-6
Q608	B-6	D627	B-11
Q609	C-6	D630	D-7
Q801	J-5	D632	C-11
Q804	G-13	D633	B-11
Q805	H-9	D801	H-10
DIODE			
D001	E-3	D802	H-13
D002	E-3	D803	I-13
D003	E-3	D804	F-10
D004	D-3	D805	G-10
D005	B-1	D806	F-12
D007	D-1	D807	F-13
D008	E-3	D808	E-11
D009	H-2	D809	H-11
D011	D-3		
D012	F-2		
D013	G-2		
D254	B-5		
D501	H-8		
D504	E-7		
D506	H-7		
VARIABLE RESISTOR			
RV501	G-6		
RV502	I-9		
RV601	B-11		



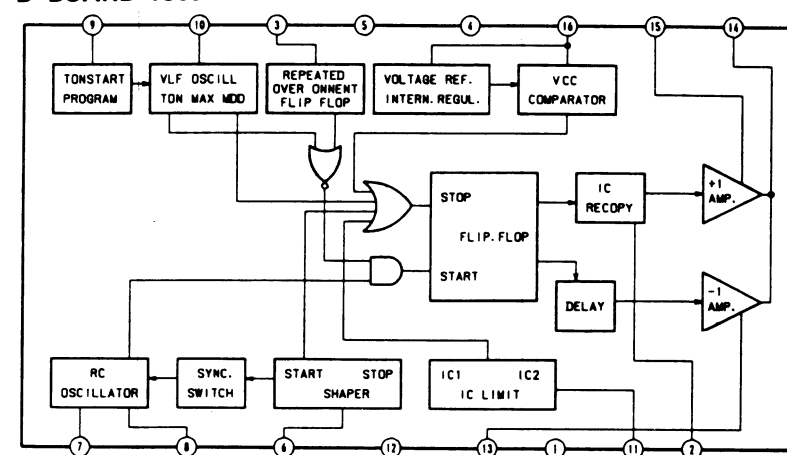
NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

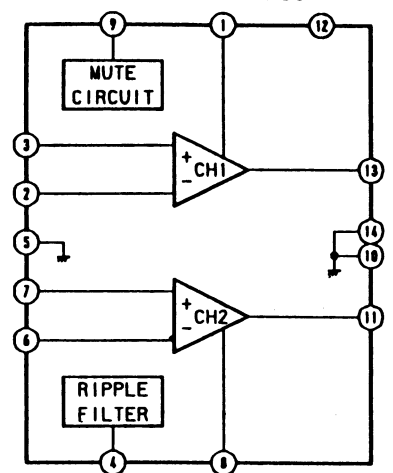
D BOARD IC501 TEA2028B



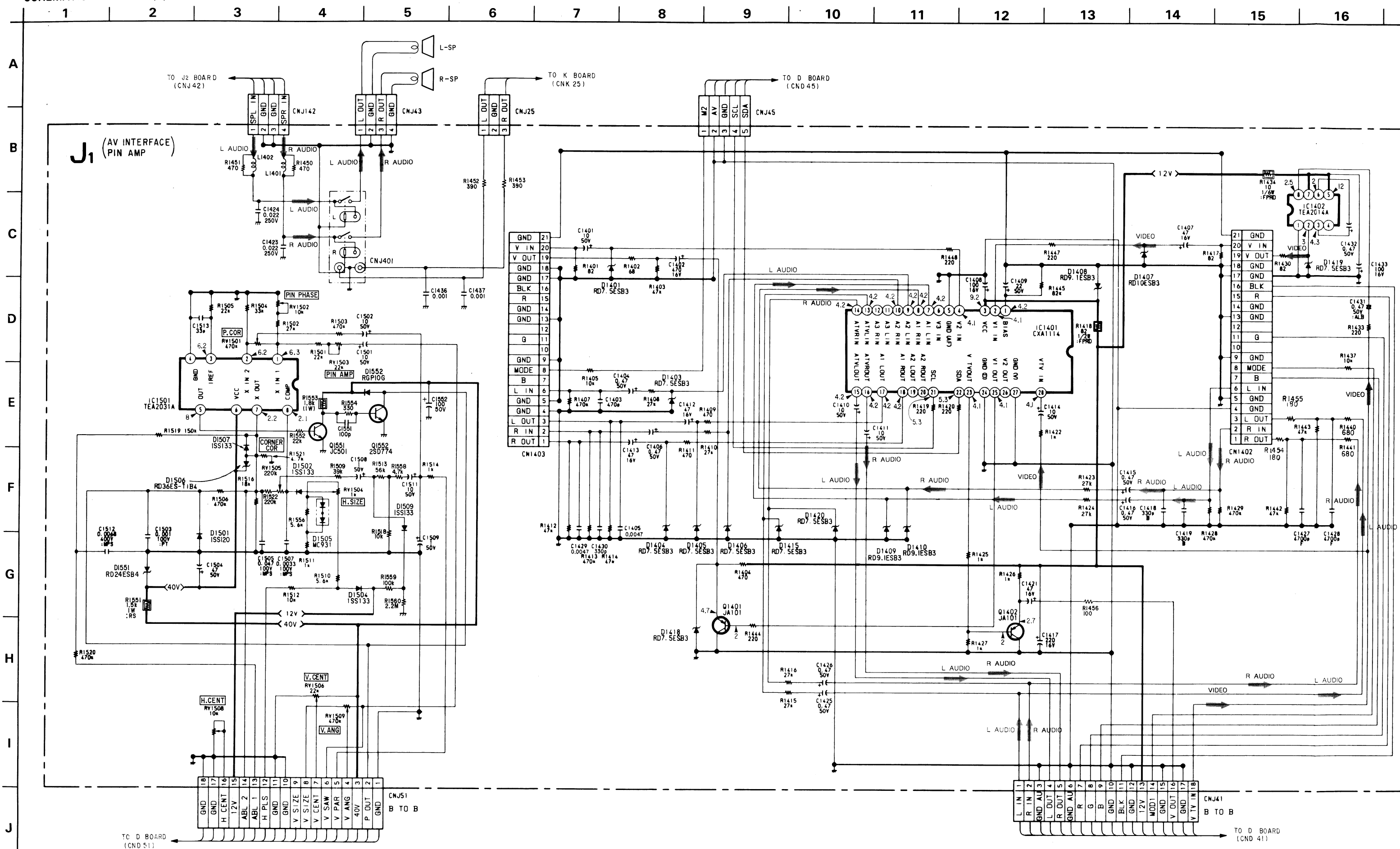
D BOARD IC601 TEA2164

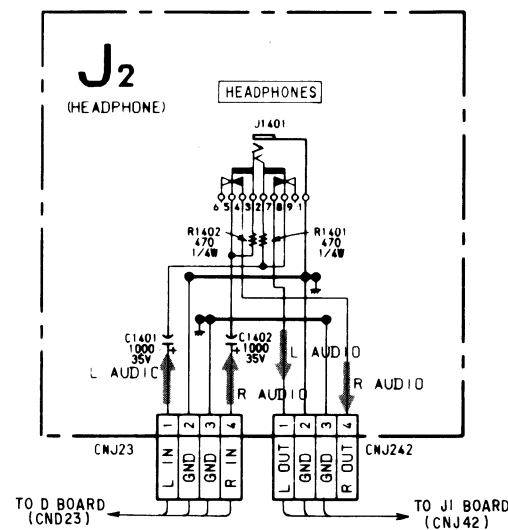
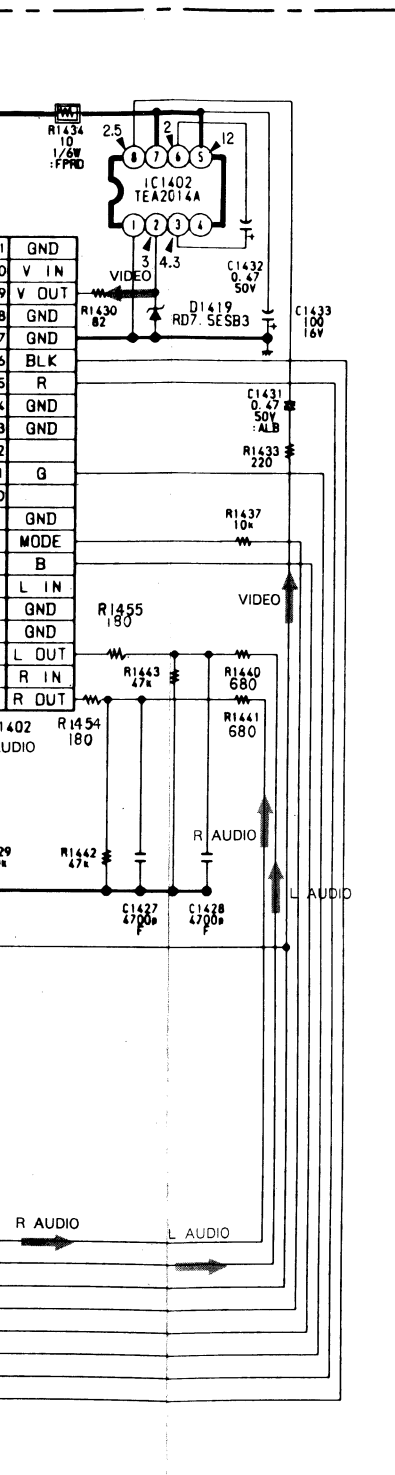


D BOARD IC251 LA4280



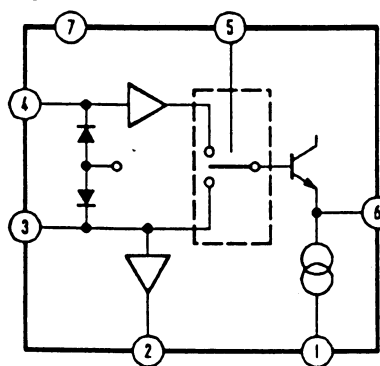
SCHEMATIC DIAGRAM (3)



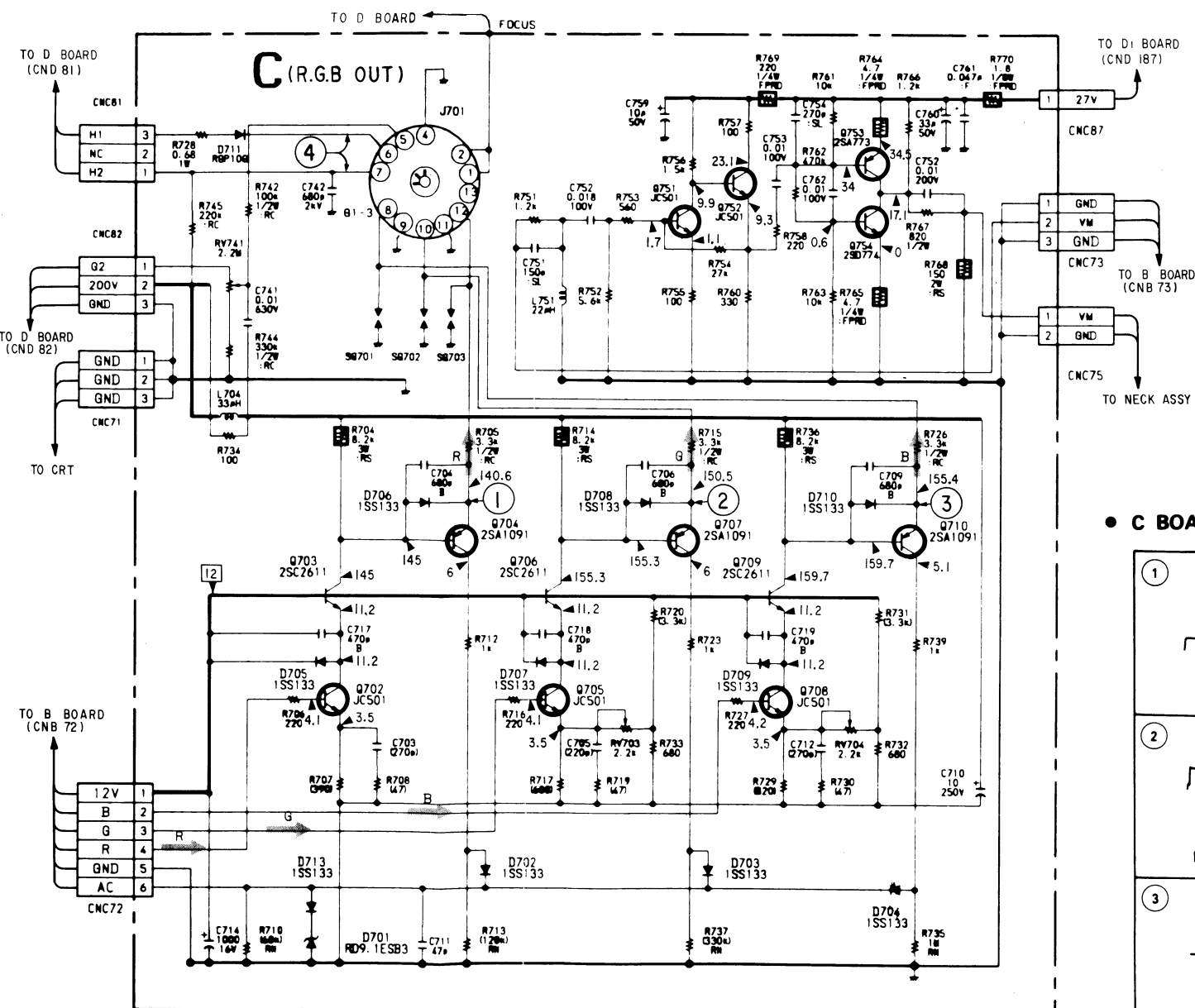
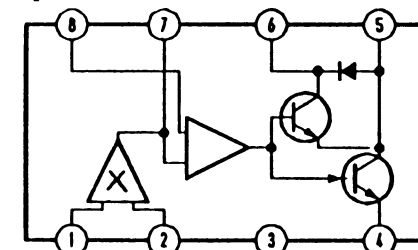


IC1401	CXA1114	AV INTERFACE
1402	TEA2014A	VIDEO AMP
1501	TEA2031A	PIN AMP
Q1401	JA101	VIDEO BUFF
1402	JA101	VIDEO BUFF
1551	JC501	PIN DRIVE
1552	2SD774	PIN AMP
D1401	RD7.5ESB3	PROTECT
1403	RD7.5ESB3	PROTECT
1404	RD7.5ESB3	PROTECT
1405	RD7.5ESB3	PROTECT
1406	RD7.5ESB3	PROTECT
1407	RD10ESB3	PROTECT
1408	RD9.1ESB3	9V REG
1409	RD7.5ESB3	PROTECT
1410	RD7.5ESB3	PROTECT
1415	RD7.5ESB3	PROTECT
1418	RD9.1ESB3	PROTECT
1419	RD7.5ESB3	PROTECT
1501	1SS120	PROTECT
1502	1SS133	DC STOP
1504	1SS133	H.P. SLICER
1505	MC931	PROTECT
1506	RD36ESB4	PROTECT
1507	1SS133	PROTECT
1509	1SS133	COR ANGLE
1551	RD24ES-B4	24V ZENER
1552	RGF10GPKG23	PIN AMP

J1 BOARD IC1402 TEA2014A

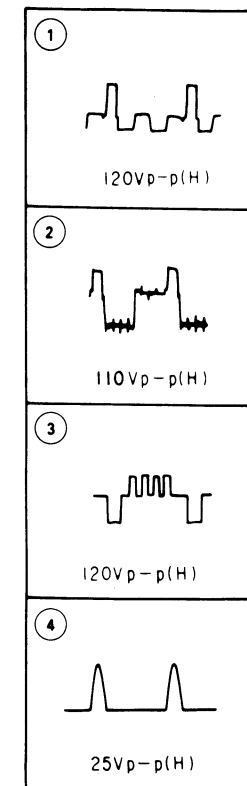


J1 BOARD IC1501 TEA2031A



Q 702	JC501	R AMP	D 701	RD10ES-B3	PROTECT-1
703	2SC2611	R OUT	702	1SS133	AC MIX-1
704	2SA1091	R AC AMP	703	1SS133	AC MIX-2
705	JC501	G AMP	704	1SS133	AC MIX-3
706	2SC2611	G OUT	705	1SS133	PROTECT-2
707	2SA1091	G AC AMP	706	1SS133	PROTECT-3
708	JC501	B AMP	707	1SS133	PROTECT-4
709	2SC2611	B OUT	708	1SS133	PROTECT-5
710	2SA1091	B AC AMP	709	1SS133	PROTECT-6
751	JC501	VM AMP	710	1SS133	PROTECT-7
752	JC501	VM AMP	711	RGP10G	PROTECT-8
753	2SA773	VM OUT	713	1SS133	PROTECT
754	2SD774	VM OUT			

• C BOARD WAVEFORM

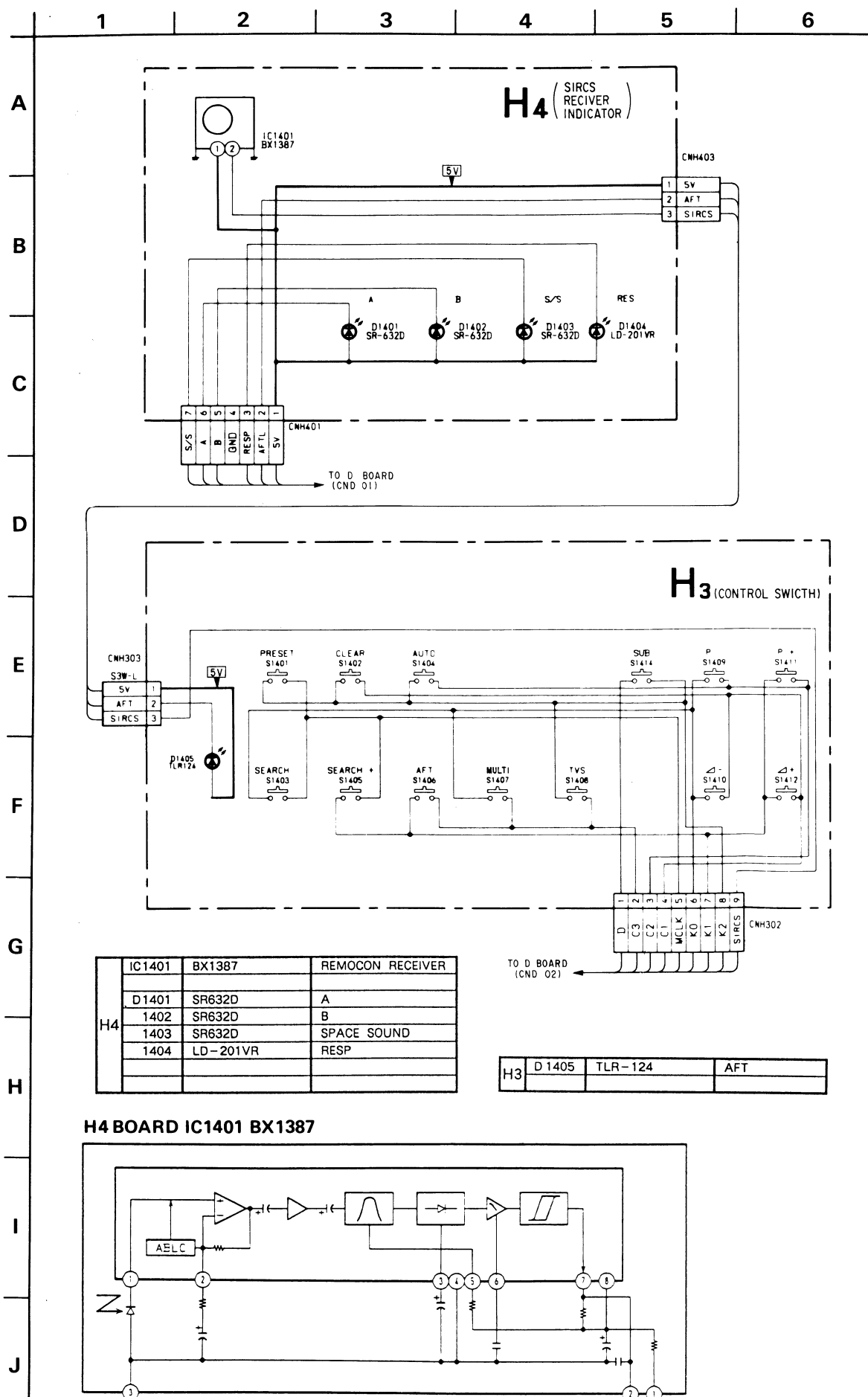


J1 [AV INTERFACE]
[PIN AMP]

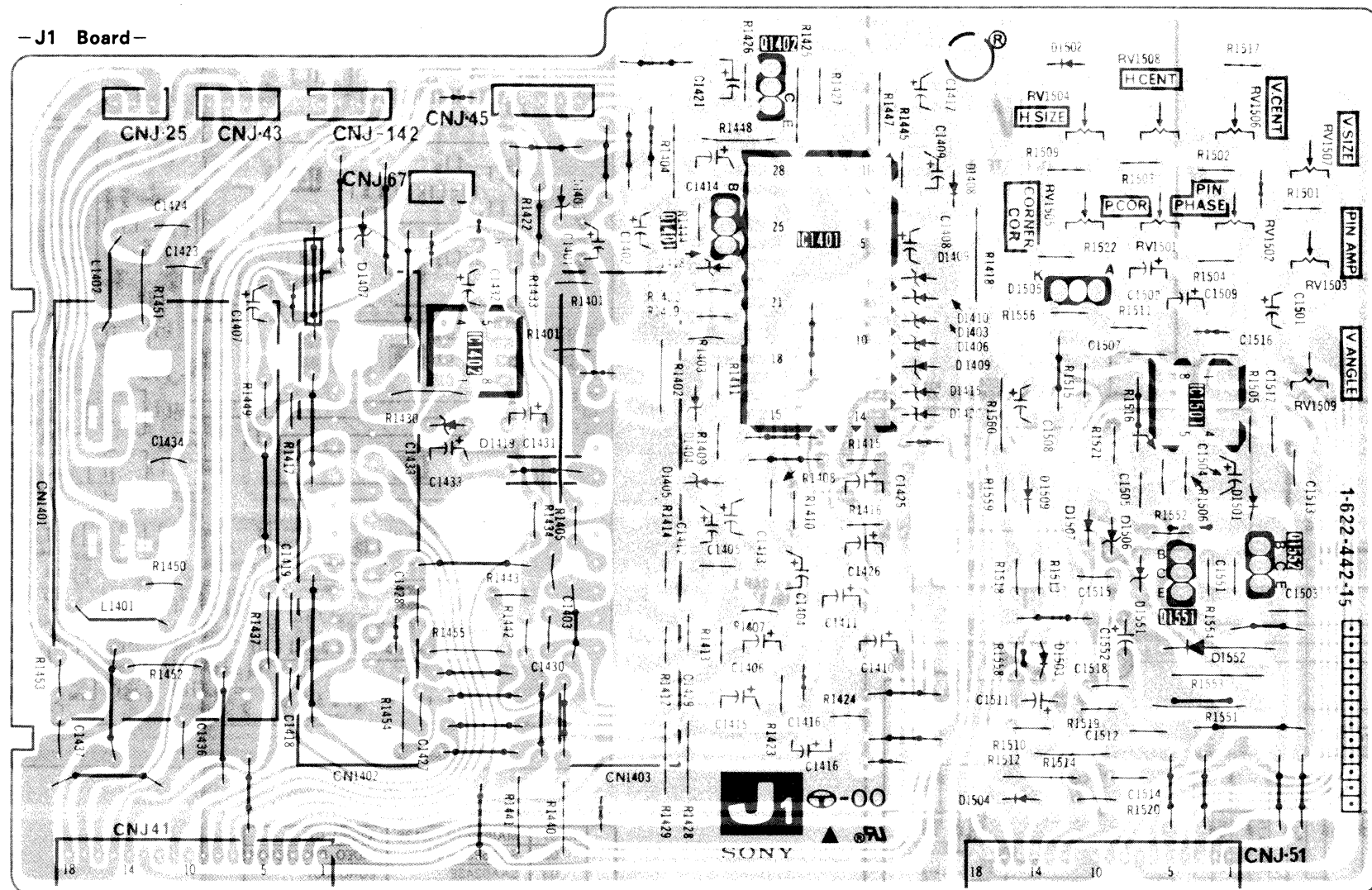
J2 [HEADPHONE]

H3 [CONTROLE
SWITCH

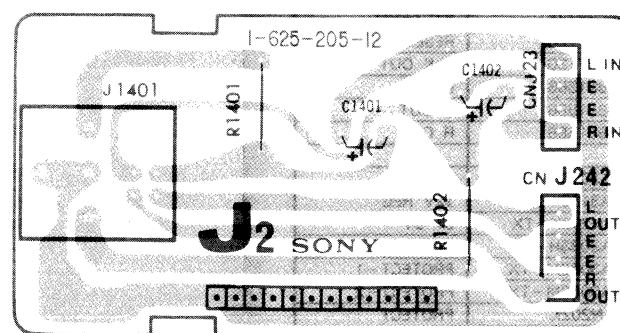
H4 [SIRCS RECIVER]
[INDICATOR]



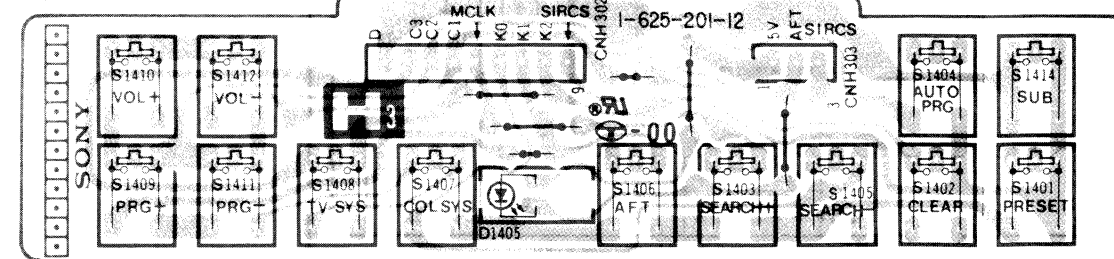
PRINTED WIRING BOARDS (3)



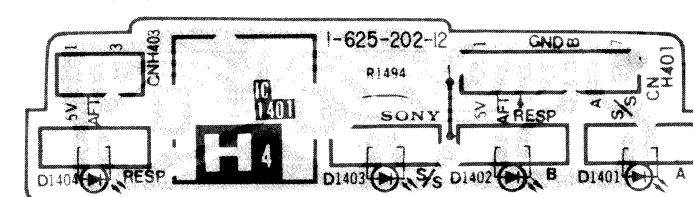
—J2 Board—



—H3 Board—



— H4 Board —



J1[AV INTERFACE]
[PIN AMP]**J2**

[HEADPHONE]

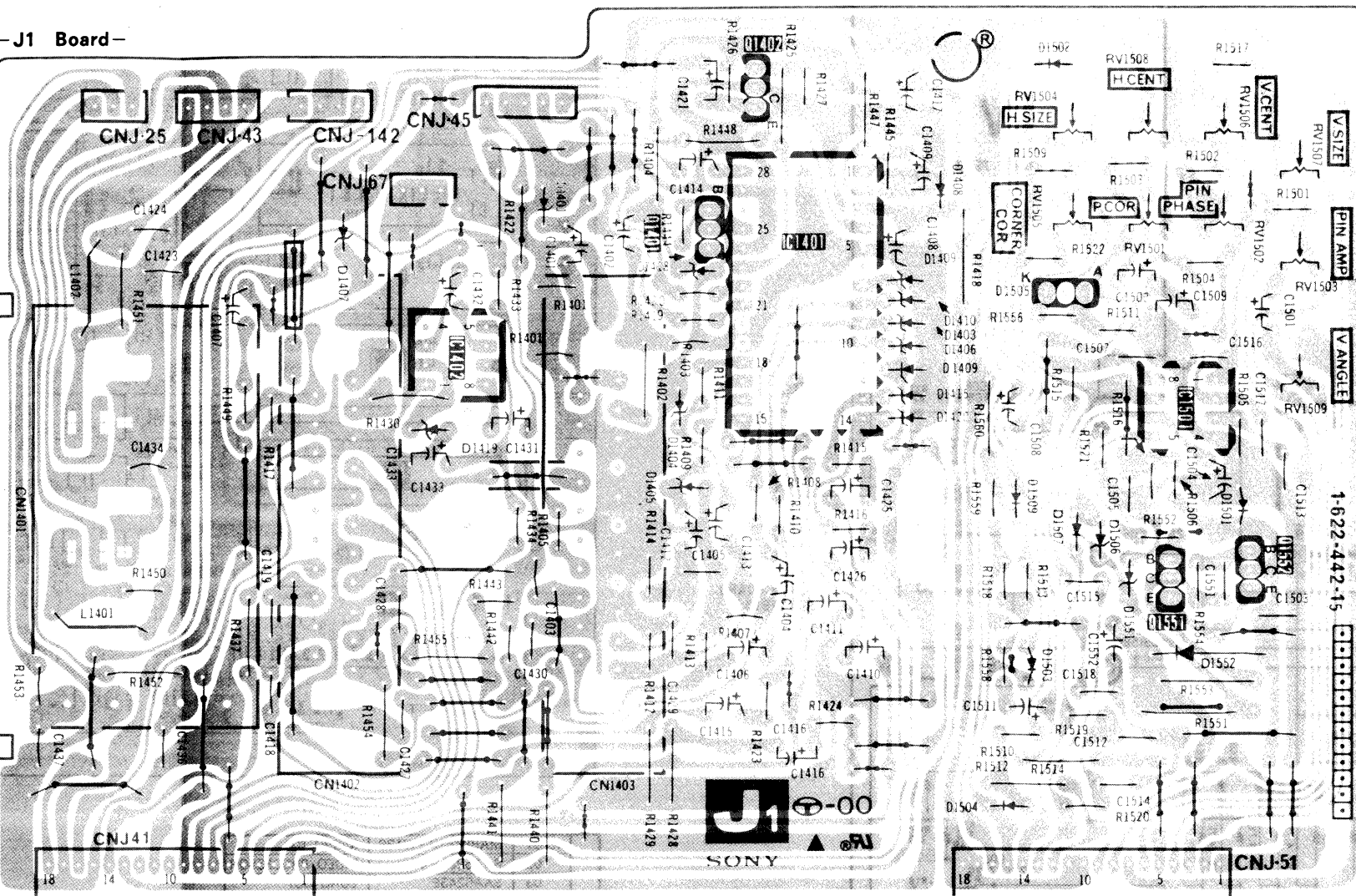
H3[CONTROLE]
[SWITCH]**H4**[SIRCS RECIVER]
[INDICATOR]**H3**

[R·G·B OUT]

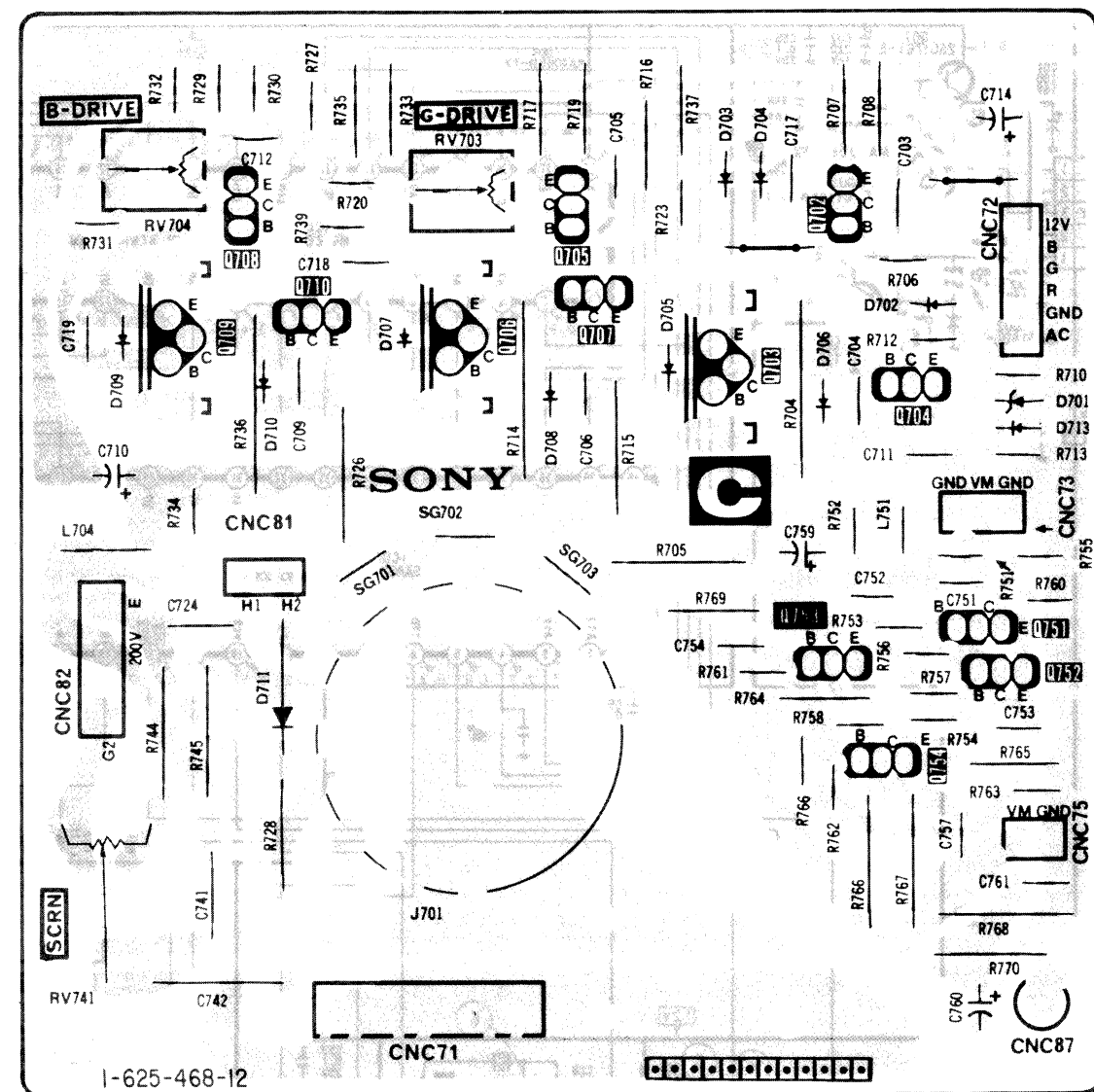
C

PRINTED WIRING BOARDS (3)

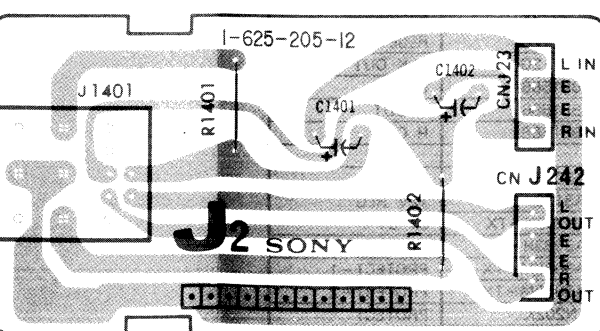
-J1 Board-



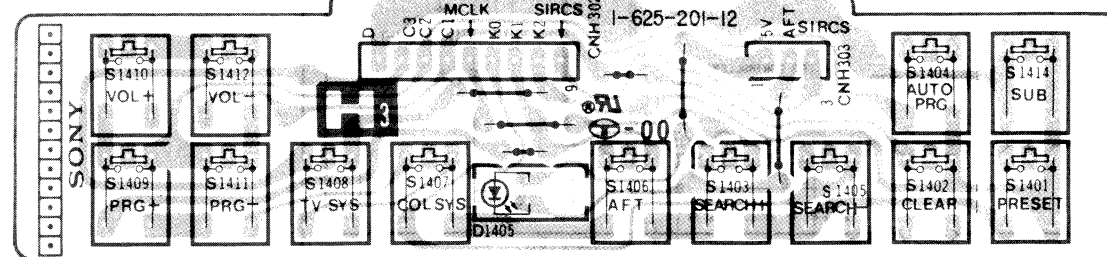
-C Board-



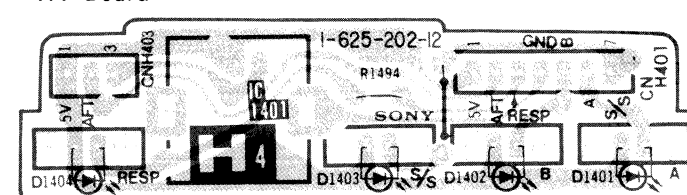
-J2 Board-



-H3 Board-



-H4 Board-



Schematic Diagram (4)

Printed Wiring Boards (4)

-V Board-

A

B

C

D

E

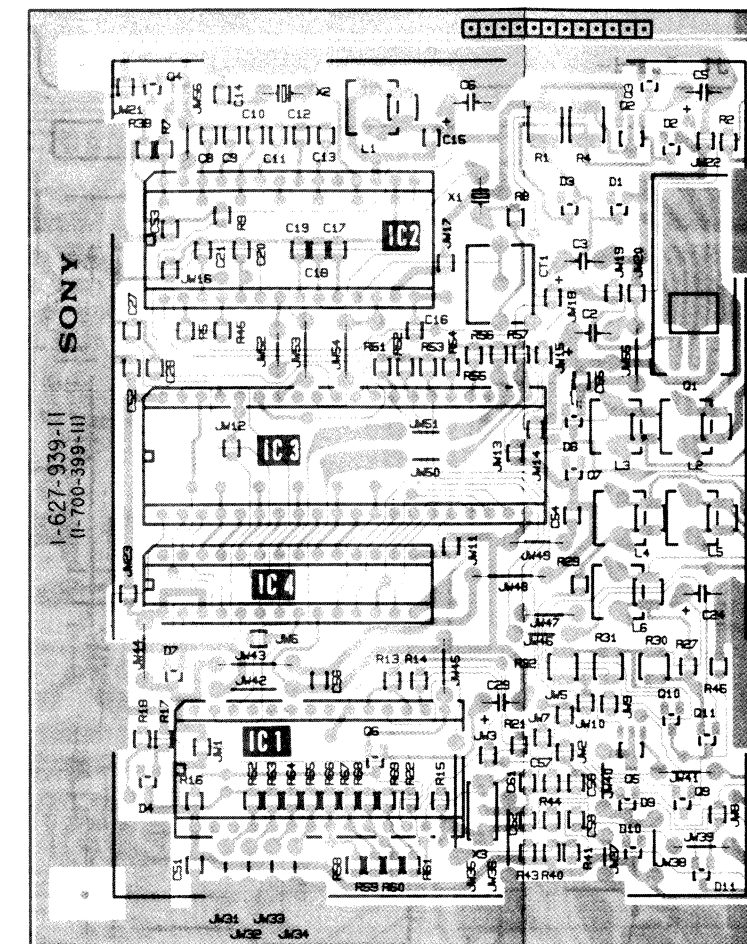
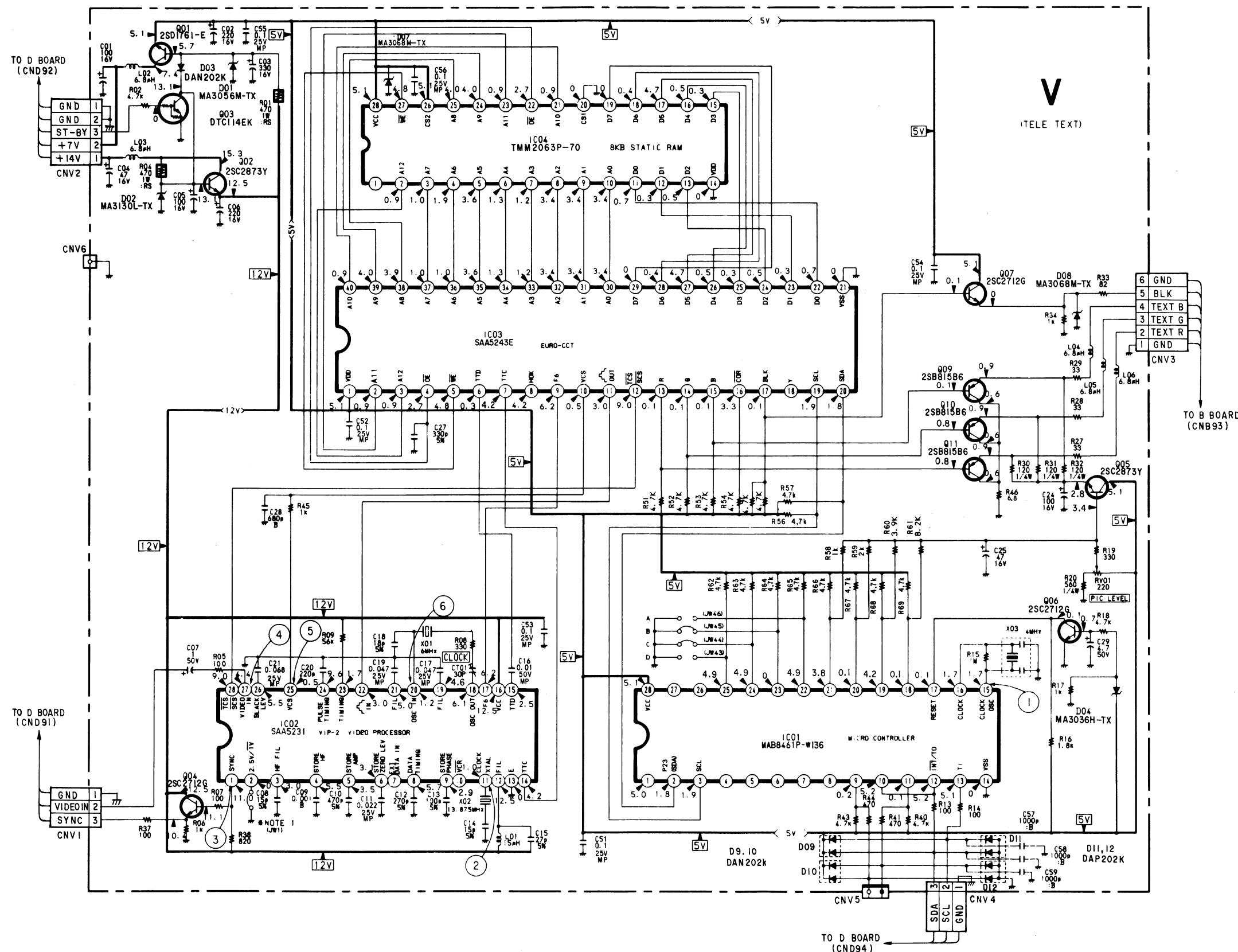
F

G

H

I

J



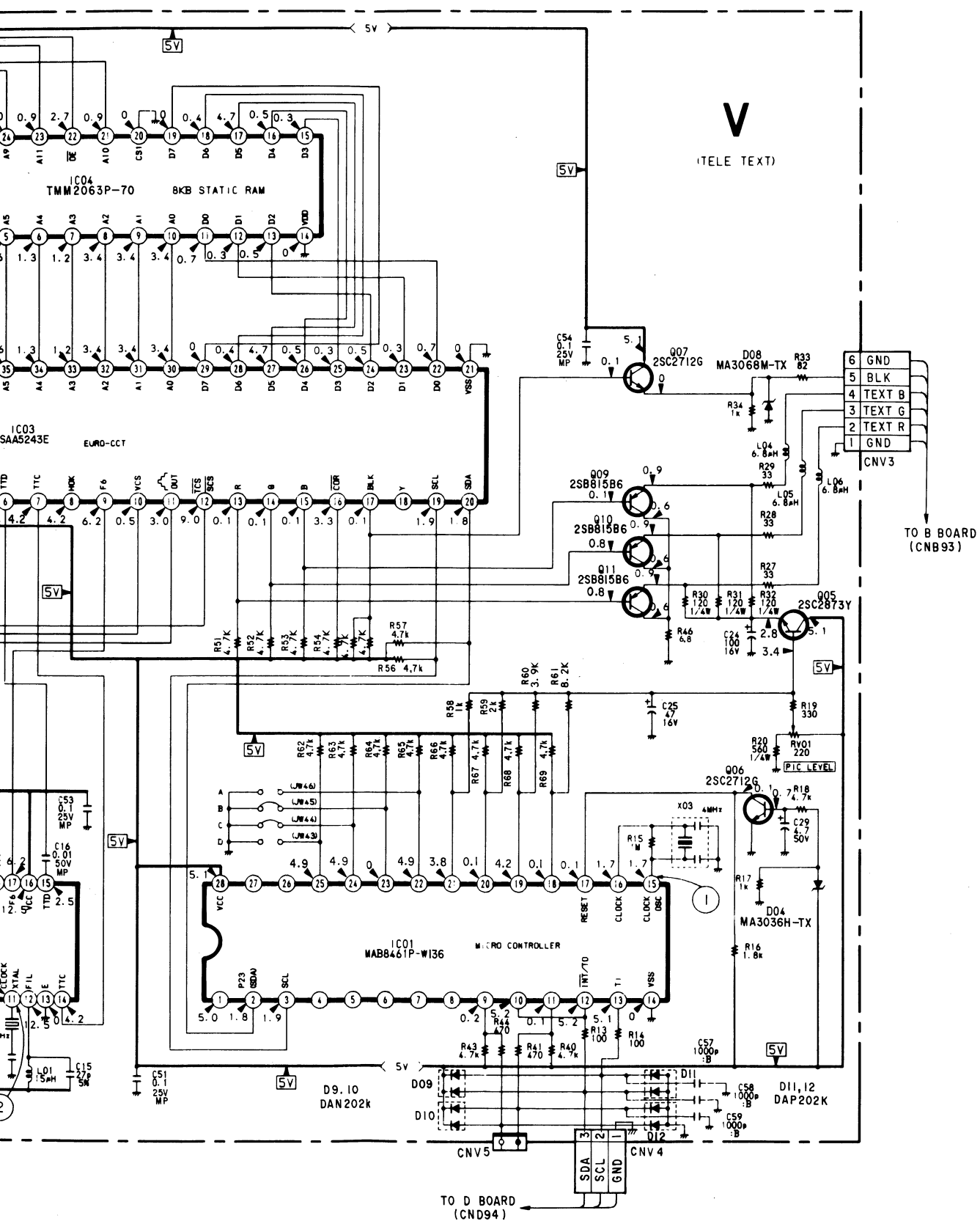
IC 01	MAB8461P-W136	MICRO CTL
IC 02	SAA5231-V4	VIDEO PROCESSOR
IC 03	SAA5243E	EURO CCT
IC 04	TMM2063P-70	8KB STATIC RAM
Q 01	2SD1761-E	5V REG
Q 02	2SC2873Y	12V REG
Q 03	DTC114EK	ST BY
Q 04	2SC2712G	SYNC BUFF
Q 05	2SC2712G	PIC LEVEL
Q 06	2SC2712G	RESET
Q 07	2SC2712G	BLK OUT
Q 08	2SB815B6	B OUT
Q 09	2SB815B6	G OUT
Q 10	2SB815B6	R OUT
D 01	MA3056M-TX	5V REG
D 02	MA3130-TX	12V REG
D 03	DAN202K-TX	ST BY
D 04	MA3063H-TX	RESET
D 05	MA3068M-TX	PROTECT-1
D 06	MA3068M-TX	PROTECT-2
D 07	DAN202K	PROTECT
D 08	DAN202K	PROTECT
D 09	DAP202K	PROTECT
D 10	DAP202K	PROTECT
D 11	DAP202K	PROTECT
D 12	DAP202K	PROTECT



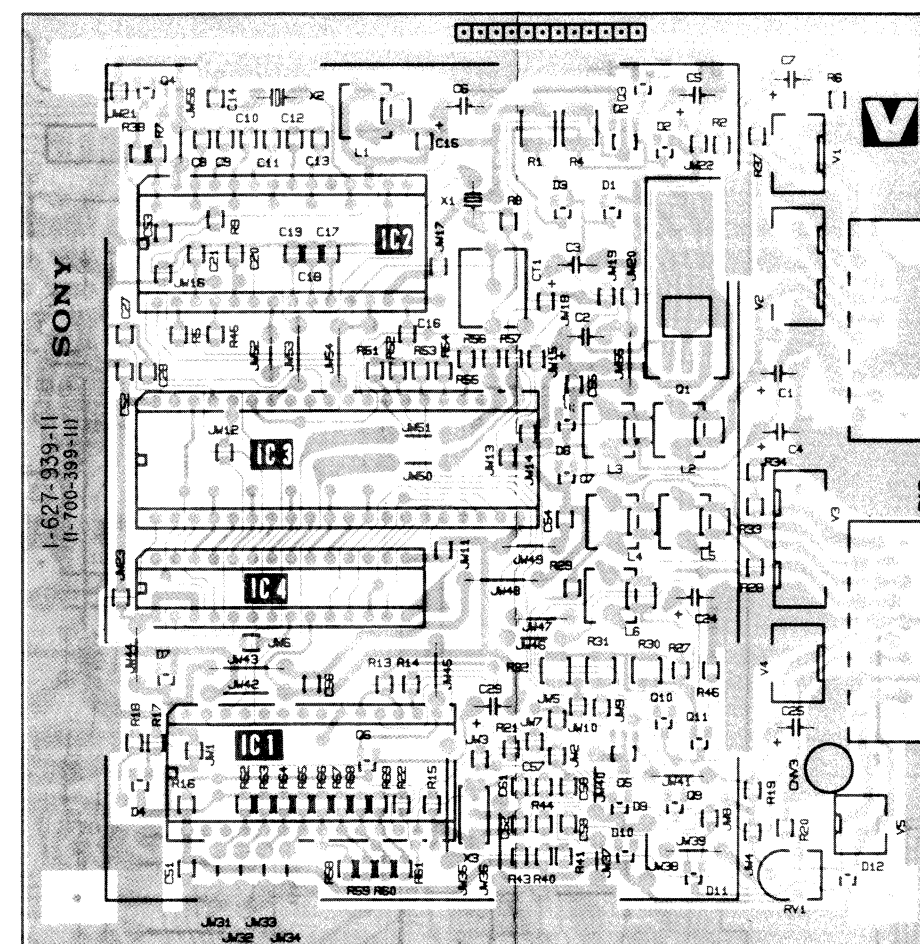
[TELE TEXT]

Printed Wiring Boards (4)

6 7 8 9 10 11 12 13 14 15 16 17 18 19



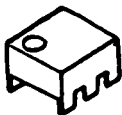
-V Board-



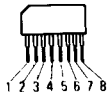
IC 01	MAB8461P-W136	MICRO CTL
02	SAA5231-V4	VIDEO PROCESSOR
03	SAA5243E	EURO CCT
04	TMM2063P-70	8KB STATIC RAM
Q 01	2SD1761-E	5V REG
02	2SC2873Y	12V REG
03	DTC114EK	ST BY
04	2SC2712G	SYNC BUFF
05	2SC2873Y	PIC LEVEL
06	2SC2712G	RESET
07	2SC2712G	BLK OUT
09	2SB815B6	B OUT
10	2SB815B6	G OUT
11	2SB815B6	R OUT
D 01	MA3056M-TX	5V REG
02	MA3130-TX	12V REG
03	DAN202K-TX	ST BY
04	MA3063H-TX	RESET
07	MA3068M-TX	PROTECT-1
08	MA3068M-TX	PROTECT-2
09	DAN202K	PROTECT
10	DAN202K	PROTECT
11	DAP202K	PROTECT
12	DAP202K	PROTECT

5-5. SEMICONDUCTORS

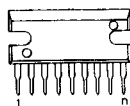
BX-1387



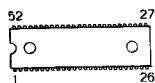
CX20061



LA4280

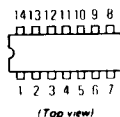


M50436-614SP



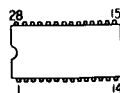
TOP VIEW

M58655P



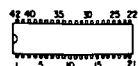
(Top view)

CXA1114P
MAB8461P-W136
TDA4555-V8
TDA4580/V4
TDA6200
TDA6600
TEA2028B
SAA5231-V6
TMM2063P-70



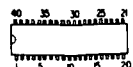
(Top view)

MB88503H-597G



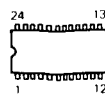
(Top view)

SAA5243E



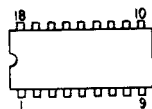
TOP VIEW

TDA2556
TDA2558



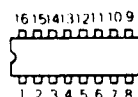
(Top view)

TDA2595-V7



(Top view)

TDA3541
TDA8442
TEA2164



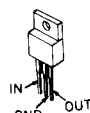
(Top view)

TEA2014A
TEA2031A



(Top view)

NJN7812B
μPC7812H



μPC574J



2SA1091
JA101
JC501



2SC403SP
DTA114ES
DTA144ES
DTC114ES
DTC124ES
DTC144ES



2SA1175
2SC2785



letter side

2SB734
2SC2968
2SD773
2SD774



2SA773
2SD789



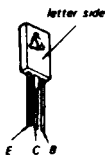
DTC114EK
2SB815B6
2SC2712G



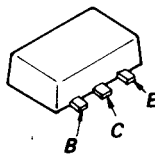
2SB1185
2SD1761



2SA1220A
2SC2611
2SC2688
2SC2690A



2SC2873Y



2SD1548



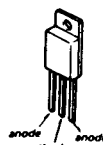
2SD1941



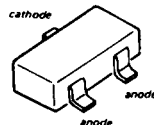
ISS119
ISS120
ISS133
RD3.6ES-B1
RD3.9ES-B1
RD5.6ES-B2
RD5.6ES-B3
RD6.2ES-B1
RD6.2ES-B2
RD7.5ES-B3
RD9.1ES-B3
RD10ES-B1
RD10ES-B3
RD11ES-B3
RD15ES-B1
RD24ES-B4
RD36ES-B4



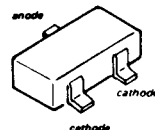
CTU-12S



DAN202K



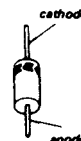
DAP202K



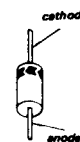
EQB01-11
EQB01-11Z
ERC24-06S
ERD28-06S
ES1F
GP08DPKG23
RGP01-17PKG23
RGP10GPKG23
RGP15JPKG23



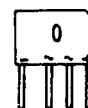
ERC06-15S
ERC25-06S



ERD29-08J



KBU4JL-6088



MA3036H-TX
MA3056M-TK
MA3056M-TX
MA3068M-TX
MA3130L-TX



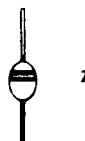
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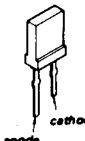
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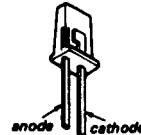
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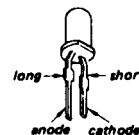
SLP-162B



SR632D




TLR124
LD-201VR



SECTION 6
EXPLODED VIEWS

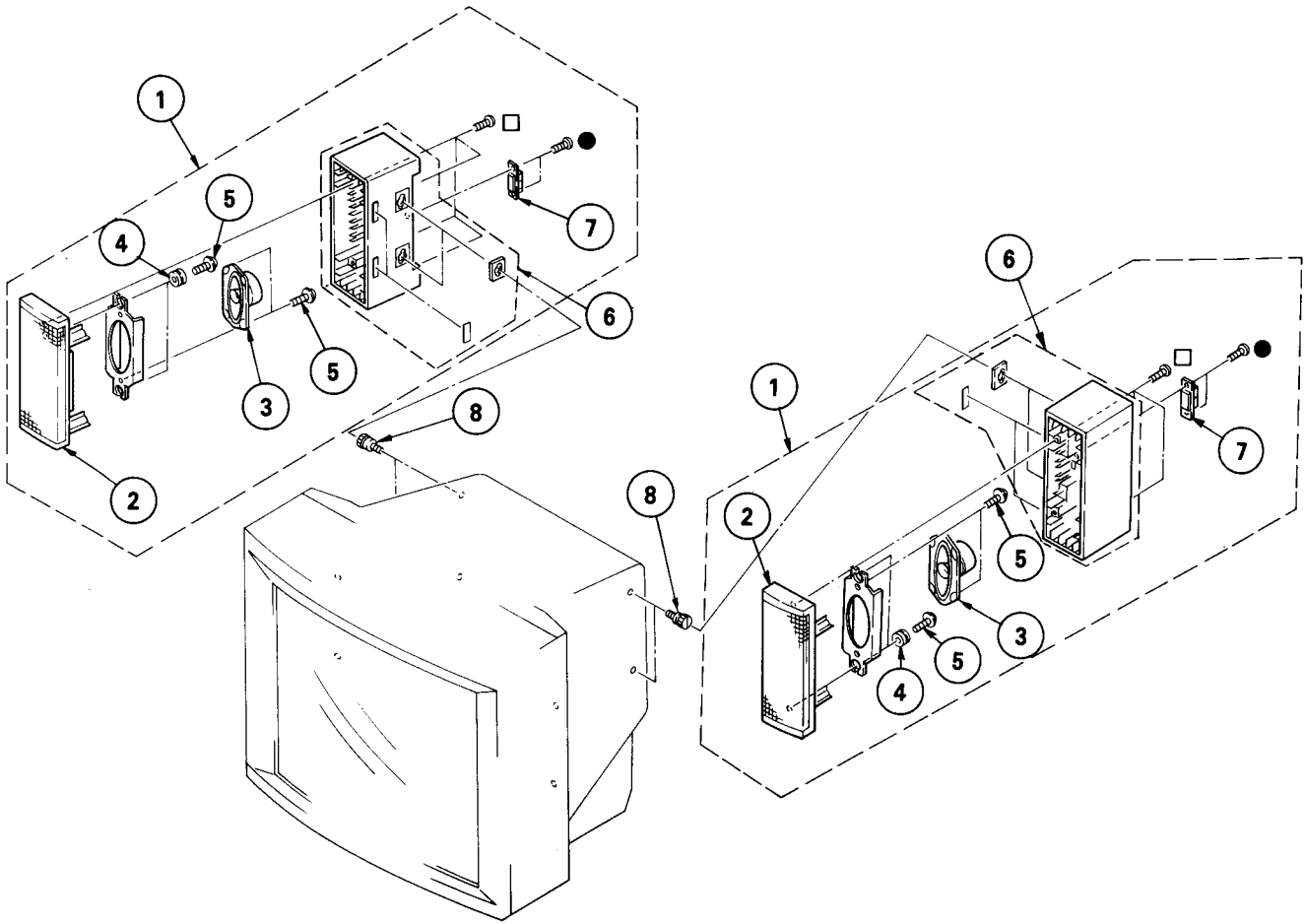
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

1. SPEAKER

- BVTP 3x12 7-685-648-79
- BVTP 4x16 7-685-663-79

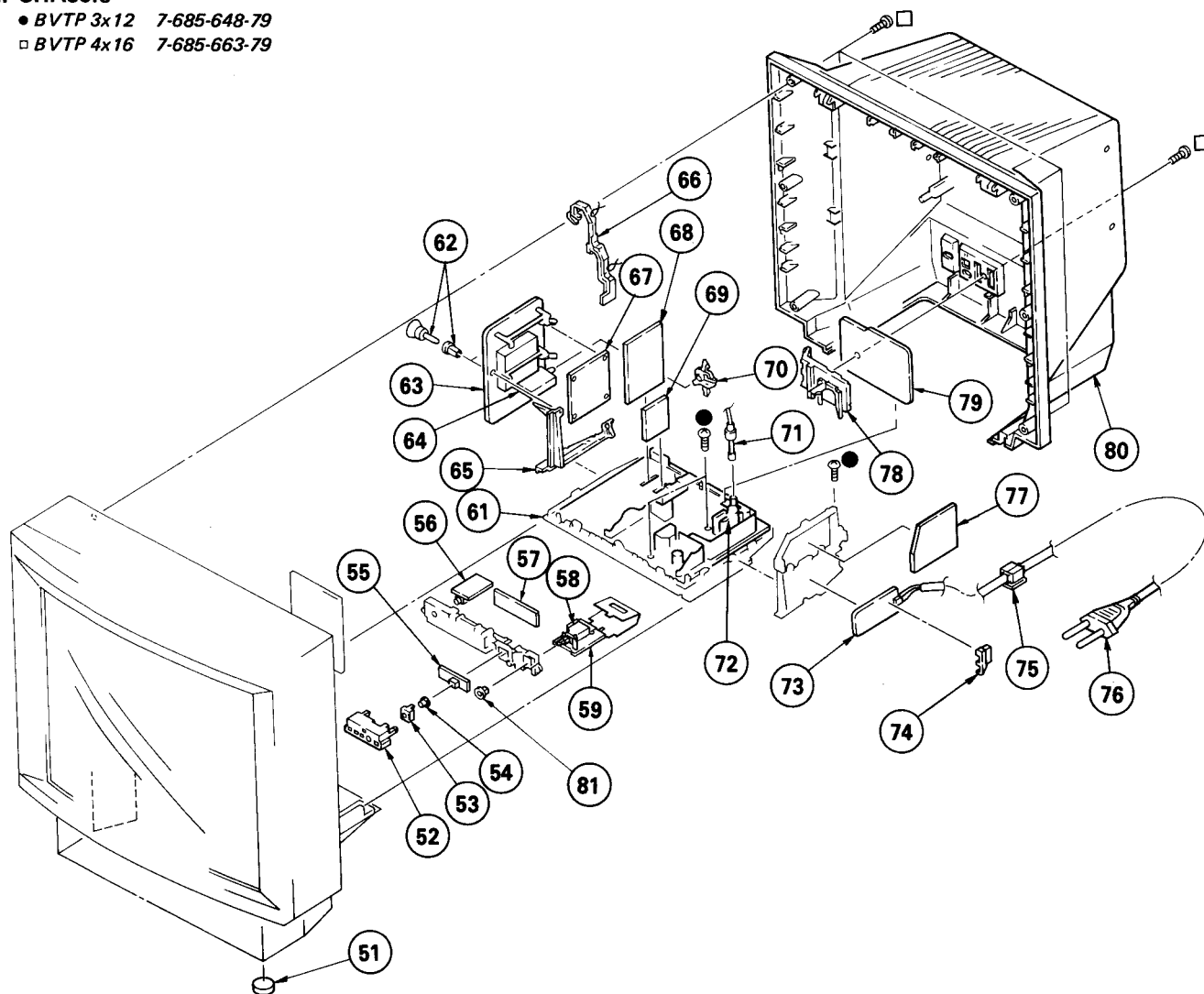


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	*A-1499-747-A	BOX ASSY, SPEAKER	2-7	5	4-314-843-02	SCREW, TAPPING +P4X12	
2	X-4389-201-1	PANEL ASSY, SPEAKER		6	X-4389-207-1	CABINET ASSY, SPEAKER	
3	1-544-009-11	SPEAKER		7	1-537-022-11	TERMINAL BOARD (SPEAKER)	
4	4-380-612-01	CUSHION		8	X-4374-104-1	SCREW (B) ASSY, ORNAMENTAL	

2. CHASSIS

● BVTP 3x12 7-685-648-79

□ BVTP 4x16 7-685-663-79

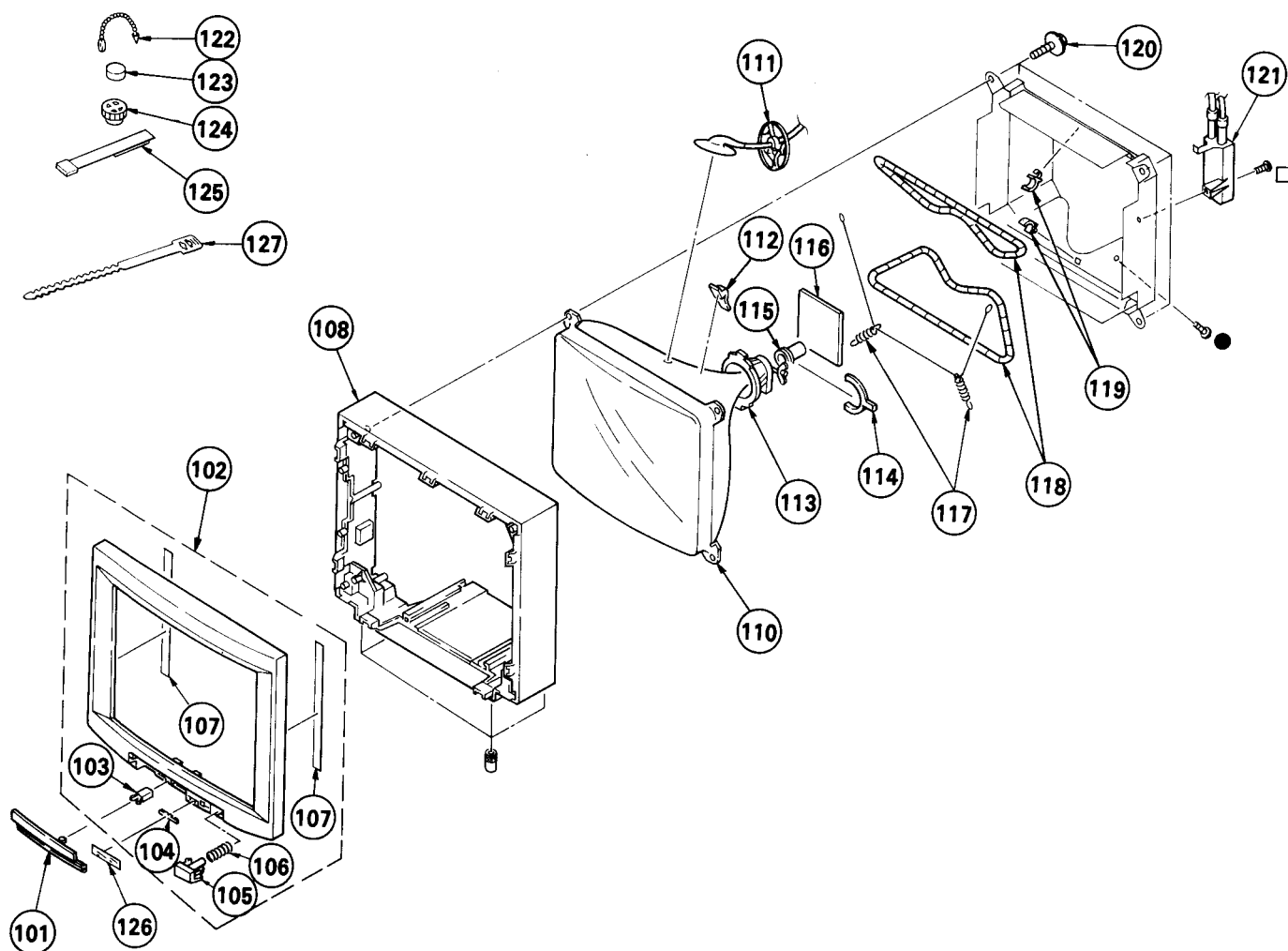


The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	4-809-913-XX	FOOT F		67	*A-1347-030-A	V BOARD, COMPLETE	
52	*4-387-813-01	COVER, H2		68	*A-1135-516-A	B BOARD, COMPLETE	
53	4-388-955-01	BRACKET (B), LIGHT GUIDE		69	*1-625-206-11	KS BOARD	
54	*4-374-987-01	GUIDE, LIGHT		70	*4-386-617-01	HOLDER, TERMINAL	
55	*1-625-202-11	H4 BOARD		71	Δ 1-559-865-11	LEAD ASSY, HIGH-VOLTAGE	
56	*1-625-205-11	J2 BOARD		72	Δ 1-439-418-21	TRANSFORMER ASSY, FLYBACK	
57	*1-625-201-11	H3 BOARD		73	*1-625-199-11	F1 BOARD	
58	Δ 1-571-410-11	SWITCH, PUSH (AC POWER) (1 KEY)		74	*4-386-620-01	COVER, POWER	
59	*1-625-200-11	F2 BOARD		75	Δ 4-022-115-01	HOLDER, AC CORD	
61	*A-1345-764-A	D BOARD, COMPLETE		76	Δ 1-559-346-11	CORD, POWER (WITH CONNECTOR)	
62	4-386-618-01	RIVET, T TYPE		77	*A-1341-047-A	D1 BOARD, COMPLETE	
63	*A-1296-476-A	A BOARD, COMPLETE		78	*4-386-624-11	BRACKET, J	
64	Δ 1-465-053-11	TUNER, ET (UV-615S)		79	*A-1371-419-A	J1 BOARD, COMPLETE	
65	*4-386-629-11	BRACKET, A		80	X-4389-205-1	COVER ASSY, REAR	
66	*4-386-628-11	SUPPORTER, PC BOARD		81	4-386-611-01	COVER, SWITCH	

3. PICTURE TUBE

- BVTP 3x12 7-685-648-79
- BVTP 4x16 7-685-663-79



The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
101	4-389-203-11	DOOR, CONTROL		114	1-452-146-21	MAGNET, BMC	
102	X-4389-204-1	BEZEL ASSY		115	▲ 1-452-391-21	NECK ASSY, CRT (NA305)	
103	4-386-710-01	CATCHER, PUSH	103-107	116	*A-1330-854-A	C BOARD, COMPLETE	
104	*4-389-208-01	GUIDE, LIGHT		117	4-303-774-XX	SPRING	
105	4-389-213-01	BUTTON, POWER		118	▲ 1-426-378-11	COIL, DEMAGNETIZATION	
106	4-389-207-01	SPRING, COMPRESSION		120	4-374-494-01	SCREW (L), PT	
107	4-386-645-01	CUSHION, PICTURE TUBE		121	▲ 1-228-544-12	RESISTOR ASSY, HIGH-VOLTAGE	
108	4-389-221-01	CABINET		122	4-308-870-00	CLIP, LEAD WIRE	
110	▲ 8-736-653-05	PICTURE TUBE (A64JKJ60X)		123	1-452-032-00	MAGNET, DISK; 10MM ϕ	
111	*4-369-234-01	HOLDER, HV CABLE		124	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
112	3-703-003-00	SPACER, DY		125	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
113	▲ 1-451-255-42	DEFLECTION YOKE (SY-164)		126	4-389-252-11	WINDOW, ORNAMENTAL	
				127	3-701-007-00	BAND, BINDING	

SECTION 7

ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark Δ are critical for safety.

Replace only with part number specified.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

• MF : μ F, PF : μ F• MMH : mH, UH : μ H

RESISTORS

• All resistors are in ohms
• F : nonflammable

Note: In this parts list, the mounting diagram is for a different product.
Therefore, an excess of parts is listed.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1135-516-A	B BOARD, COMPLETE *****		C359	1-102-963-00	CERAMIC 33PF	5% 50V
				C360	1-101-004-00	CERAMIC 0.01MF	50V
				C361	1-101-004-00	CERAMIC 0.01MF	50V
				C364	1-101-361-00	CERAMIC 150PF	5% 50V
		<CAPACITOR>		C365	1-124-477-11	ELECT 47MF	20% 16V
C301	1-106-228-00	MYLAR 0.22MF	10% 100V	C366	1-124-477-11	ELECT 47MF	20% 16V
C302	1-106-228-00	MYLAR 0.22MF	10% 100V	C367	1-101-004-00	CERAMIC 0.01MF	50V
C303	1-126-101-11	ELECT 100MF	20% 16V	C368	1-101-880-00	CERAMIC 47PF	5% 50V
C304	1-106-228-00	MYLAR 0.22MF	10% 100V	C381	1-124-902-00	ELECT 0.47MF	20% 50V
C305	1-124-119-00	ELECT 330MF	20% 16V	C382	1-124-927-11	ELECT 4.7MF	20% 50V
C306	1-124-902-00	ELECT 0.47MF	20% 50V	C384	1-124-477-11	ELECT 47MF	20% 16V
C307	1-124-902-00	ELECT 0.47MF	20% 50V	C385	1-124-927-11	ELECT 4.7MF	20% 50V
C308	1-124-902-00	ELECT 0.47MF	20% 50V	C386	1-124-927-11	ELECT 4.7MF	20% 50V
C309	1-124-902-00	ELECT 0.47MF	20% 50V	C387	1-124-902-00	ELECT 0.47MF	20% 50V
C310	1-106-220-00	MYLAR 0.1MF	10% 100V	C1311	1-101-880-00	CERAMIC 47PF	5% 50V
C311	1-106-220-00	MYLAR 0.1MF	10% 100V	C1313	1-102-965-00	CERAMIC 39PF	5% 50V
C312	1-124-902-00	ELECT 0.47MF	20% 50V			<CONNECTOR>	
C313	1-124-902-00	ELECT 0.47MF	20% 50V	CNB31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P	
C314	1-124-902-00	ELECT 0.47MF	20% 50V	CNB72	*1-564-895-11	PLUG, CONNECTOR 6P	
C315	1-124-499-11	ELECT 1MF	20% 50V	CNB73	*1-564-880-31	PLUG, CONNECTOR 3P	
C319	1-124-477-11	ELECT 47MF	20% 16V	CNB93	*1-560-278-00	PLUG, CONNECTOR 6P	
C322	1-101-888-00	CERAMIC 68PF	5% 50V	CNB95	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
C325	1-124-477-11	ELECT 47MF	20% 16V			<TRIMMER>	
C326	1-101-004-00	CERAMIC 0.01MF	50V	CT331	1-141-181-11	CAP, TRIMMER	
C327	1-101-004-00	CERAMIC 0.01MF	50V	CT332	1-141-181-11	CAP, TRIMMER	
C330	1-101-004-00	CERAMIC 0.01MF	50V			<DIODE>	
C331	1-124-963-11	ELECT 33MF	20% 16V	D301	8-719-911-19	DIODE 1SS119	
C332	1-124-119-00	ELECT 330MF	20% 16V	D302	8-719-911-19	DIODE 1SS119	
C333	1-101-005-00	CERAMIC 0.022MF	50V	D303	8-719-911-19	DIODE 1SS119	
C334	1-101-884-00	CERAMIC 56PF	5% 50V	D304	8-719-911-19	DIODE 1SS119	
C335	1-101-006-00	CERAMIC 0.047MF	50V	D305	8-719-911-19	DIODE 1SS119	
C336	1-106-367-00	MYLAR 0.01MF	10% 400V	D307	8-719-110-23	DIODE RD11ES-B3	
C337	1-101-004-00	CERAMIC 0.01MF	50V	D309	8-719-911-19	DIODE 1SS119	
C338	1-101-888-00	CERAMIC 68PF	5% 50V	D331	8-719-911-19	DIODE 1SS119	
C339	1-102-816-00	CERAMIC 120PF	5% 50V	D333	8-719-911-19	DIODE 1SS119	
C340	1-102-953-00	CERAMIC 18PF	5% 50V	D341	8-719-911-19	DIODE 1SS119	
C341	1-102-978-00	CERAMIC 220PF	5% 50V			<DELAY LINE>	
C342	1-102-953-00	CERAMIC 18PF	5% 50V	DL331	1-415-122-00	DELAY LINE	
C343	1-102-816-00	CERAMIC 120PF	5% 50V	DL332	1-236-062-11	MODULE, Y DELAY LINE	
C344	1-101-888-00	CERAMIC 68PF	5% 50V			<IC>	
C345	1-102-978-00	CERAMIC 220PF	5% 50V	IC301	8-759-979-85	IC TDA4580/V4	
C346	1-102-074-00	CERAMIC 0.001MF	10% 50V	IC302	8-759-941-98	IC TDA8442	
C347	1-124-499-11	ELECT 1MF	20% 50V				
C348	1-124-499-11	ELECT 1MF	20% 50V				
C349	1-136-173-00	FILM 0.47MF	5% 50V				
C350	1-106-383-00	MYLAR 0.047MF	10% 100V				
C351	1-106-375-12	MYLAR 0.022MF	10% 250V				
C352	1-106-375-12	MYLAR 0.022MF	10% 250V				
C354	1-102-074-00	CERAMIC 0.001MF	10% 50V				
C355	1-102-816-00	CERAMIC 120PF	5% 50V				
C357	1-102-965-00	CERAMIC 39PF	5% 50V				
C358	1-124-963-11	ELECT 33MF	20% 16V				

B

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
IC331	8-759-947-20	IC TDA4555-V8		R327	1-249-427-11	CARBON 6.8K 5% 1/4W	
IC1301	1-235-534-11	CONTROL MODULE, PICTURE		R328	1-249-397-11	CARBON 22 5% 1/4W	
<COIL>				R329	1-249-397-11	CARBON 22 5% 1/4W	
L301	1-410-868-21	INDUCTOR 4.7UH		R330	1-249-397-11	CARBON 22 5% 1/4W	
L302	1-410-868-21	INDUCTOR 4.7UH		R331	1-249-418-11	CARBON 1.2K 5% 1/4W	
L304	1-410-470-11	INDUCTOR 10UH		R332	1-249-401-11	CARBON 47 5% 1/4W	
L331	1-408-408-00	INDUCTOR 8.2UH		R333	1-249-412-11	CARBON 390 5% 1/4W	
L332	1-404-539-11	COIL		R334	1-249-408-11	CARBON 180 5% 1/4W	
L333	1-404-554-11	COIL		R335	1-249-415-11	CARBON 680 5% 1/4W	
L334	1-404-554-11	COIL		R336	1-249-418-11	CARBON 1.2K 5% 1/4W	
L335	1-404-554-11	COIL		R337	1-247-848-11	CARBON 5.1K 5% 1/4W	
L336	1-410-478-11	INDUCTOR 47UH		R338	1-249-429-11	CARBON 10K 5% 1/4W	
L338	1-408-416-00	INDUCTOR 39UH		R339	1-249-409-11	CARBON 220 5% 1/4W	
L339	1-410-868-21	INDUCTOR 4.7UH		R340	1-249-437-11	CARBON 47K 5% 1/4W	
<TRANSISTOR>				R341	1-249-410-11	CARBON 270 5% 1/4W	
Q302	8-729-178-54	TRANSISTOR 2SC2785		R342	1-249-429-11	CARBON 10K 5% 1/4W	
Q303	8-729-178-54	TRANSISTOR 2SC2785		R343	1-249-429-11	CARBON 10K 5% 1/4W	
Q305	8-729-900-36	TRANSISTOR DTC124ES		R344	1-249-437-11	CARBON 47K 5% 1/4W	
Q306	8-729-178-54	TRANSISTOR 2SC2785		R346	1-249-419-11	CARBON 1.5K 5% 1/4W	
Q311	8-729-178-54	TRANSISTOR 2SC2785		R347	1-249-429-11	CARBON 10K 5% 1/4W	
Q312	8-729-178-54	TRANSISTOR 2SC2785		R348	1-249-437-11	CARBON 47K 5% 1/4W	
Q313	8-729-178-54	TRANSISTOR 2SC2785		R352	1-247-891-00	CARBON 330K 5% 1/4W	
Q316	8-729-178-54	TRANSISTOR 2SC2785		R353	1-247-891-00	CARBON 330K 5% 1/4W	
Q331	8-729-178-54	TRANSISTOR 2SC2785		R354	1-249-409-11	CARBON 220 5% 1/4W	
Q332	8-729-900-36	TRANSISTOR DTC124ES		R355	1-249-423-11	CARBON 3.3K 5% 1/4W	
Q333	8-729-900-36	TRANSISTOR DTC124ES		R356	1-249-427-11	CARBON 6.8K 5% 1/4W	
Q334	8-729-178-54	TRANSISTOR 2SC2785		R357	1-249-409-11	CARBON 220 5% 1/4W	
Q335	8-729-178-54	TRANSISTOR 2SC2785		R358	1-249-409-11	CARBON 220 5% 1/4W	
Q381	8-729-900-36	TRANSISTOR DTC124ES		R359	1-249-437-11	CARBON 47K 5% 1/4W	
Q382	8-729-178-54	TRANSISTOR 2SC2785		R360	1-249-437-11	CARBON 47K 5% 1/4W	
Q1305	8-729-178-54	TRANSISTOR 2SC2785		R361	1-249-419-11	CARBON 1.5K 5% 1/4W	
Q1306	8-729-117-54	TRANSISTOR 2SA1175		R363	1-249-410-11	CARBON 270 5% 1/4W	
<RESISTOR>				R364	1-249-417-11	CARBON 1K 5% 1/4W	
R301	1-249-409-11	CARBON 220 5% 1/4W		R365	1-249-417-11	CARBON 1K 5% 1/4W	
R302	1-249-409-11	CARBON 220 5% 1/4W		R367	1-249-409-11	CARBON 220 5% 1/4W	
R303	1-249-409-11	CARBON 220 5% 1/4W		R368	1-249-417-11	CARBON 1K 5% 1/4W	
R304	1-249-409-11	CARBON 220 5% 1/4W		R369	1-249-417-11	CARBON 1K 5% 1/4W	
R305	1-249-421-11	CARBON 2.2K 5% 1/4W		R370	1-249-418-11	CARBON 1.2K 5% 1/4W	
R307	1-249-441-11	CARBON 100K 5% 1/4W		R371	1-249-417-11	CARBON 1K 5% 1/4W	
R308	1-249-414-11	CARBON 560 5% 1/4W		R376	1-249-429-11	CARBON 10K 5% 1/4W	
R309	1-249-405-11	CARBON 100 5% 1/4W		R378	1-249-441-11	CARBON 100K 5% 1/4W	
R310	1-249-405-11	CARBON 100 5% 1/4W		R379	1-249-441-11	CARBON 100K 5% 1/4W	
R311	1-249-405-11	CARBON 100 5% 1/4W		R380	1-249-426-11	CARBON 5.6K 5% 1/4W	
R312	1-249-409-11	CARBON 220 5% 1/4W		R381	1-249-439-11	CARBON 68K 5% 1/4W	
R313	1-249-433-11	CARBON 22K 5% 1/4W		R382	1-247-885-00	CARBON 180K 5% 1/4W	
R314	1-249-413-11	CARBON 470 5% 1/4W		R383	1-247-893-11	CARBON 390K 5% 1/4W	
R315	1-249-407-11	CARBON 150 5% 1/4W		R385	1-249-435-11	CARBON 33K 5% 1/4W	
R316	1-249-407-11	CARBON 150 5% 1/4W		R386	1-249-423-11	CARBON 3.3K 5% 1/4W	
R317	1-249-407-11	CARBON 150 5% 1/4W		R389	1-247-883-00	CARBON 150K 5% 1/4W	
R318	1-249-429-11	CARBON 10K 5% 1/4W		R391	1-249-404-00	CARBON 82 5% 1/4W	
R319	1-249-409-11	CARBON 220 5% 1/4W		R392	1-249-402-11	CARBON 56 5% 1/4W	
R320	1-249-417-11	CARBON 1K 5% 1/4W		R393	1-249-402-11	CARBON 56 5% 1/4W	
R321	1-249-421-11	CARBON 2.2K 5% 1/4W		R394	1-249-402-11	CARBON 56 5% 1/4W	
R322	1-249-420-11	CARBON 1.8K 5% 1/4W		R398	1-249-433-11	CARBON 22K 5% 1/4W	
R323	1-249-421-11	CARBON 2.2K 5% 1/4W		R1301	1-249-425-11	CARBON 4.7K 5% 1/4W	
R324	1-249-426-11	CARBON 5.6K 5% 1/4W		R1302	1-249-437-11	CARBON 47K 5% 1/4W	
R325	1-249-429-11	CARBON 10K 5% 1/4W		R1303	1-249-437-11	CARBON 47K 5% 1/4W	
R326	1-249-419-11	CARBON 1.5K 5% 1/4W		R1304	1-249-441-11	CARBON 100K 5% 1/4W	
<VARIABLE RESISTOR>				R1324	1-249-419-11	CARBON 1.5K 5% 1/4W	
				RV331	1-230-504-11	RES, ADJ, CARBON 220	

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

KV-DX27TD
RM-673

B F2 F1 A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<TRANSFORMER>				<THERMISTOR>			
T331	1-404-584-11	COIL		THP601A1	808-059-31	THERMISTOR, POSITIVE	
<CRYSTAL>				*****			
X331	1-567-307-21	OSCILLATOR, CRYSTAL		*A-1296-476-A	A BOARD, COMPLETE		
X332	1-567-131-00	OSCILLATOR, CRYSTAL		*****			
*****				<CAPACITOR>			
*1-625-200-11	F2 BOARD			C101	1-126-233-11	ELECT	22MF 20% 50V
*****				C102	1-126-103-11	ELECT	470MF 20% 16V
<CONNECTOR>				C103	1-106-220-00	MYLAR	0.1MF 10% 100V
CNF262	*1-566-664-11	PIN, CONNECTOR 4P		C104	1-106-216-00	MYLAR	0.068MF 10% 100V
<SWITCH>				C105	1-106-216-00	MYLAR	0.068MF 10% 100V
S1701A	1-571-410-11	SWITCH, PUSH (AC POWER) (1 KEY)		C106	1-101-004-00	CERAMIC	0.01MF 50V
*****				C107	1-102-963-00	CERAMIC	33PF 5% 50V
*1-625-199-11	F1 BOARD			C108	1-124-963-11	ELECT	33MF 20% 16V
*****				C109	1-101-003-00	CERAMIC	0.0047MF 50V
<CAPACITOR>				C110	1-124-499-11	ELECT	1MF 20% 50V
C1601A	1-136-518-11	FILM	0.33MF 20% 300V	C111	1-101-003-00	CERAMIC	0.0047MF 50V
C1602A	1-136-519-11	FILM	0.47MF 20% 300V	C112	1-101-003-00	CERAMIC	0.0047MF 50V
C1603A	1-162-578-12	CERAMIC	0.0047MF 20% 400V	C113	1-101-003-00	CERAMIC	0.0047MF 50V
C1604A	1-162-578-12	CERAMIC	0.0047MF 20% 400V	C114	1-124-963-11	ELECT	33MF 20% 16V
C1605A	1-162-578-12	CERAMIC	0.0047MF 20% 400V	C117	1-102-978-00	CERAMIC	220PF 5% 50V
C1606A	1-162-578-12	CERAMIC	0.0047MF 20% 400V	C118	1-101-880-00	CERAMIC	47PF 5% 50V
C1607A	1-161-964-61	CERAMIC	0.0047MF 250V	C119	1-126-101-11	ELECT	100MF 20% 16V
<CONNECTOR>				C120	1-124-925-11	ELECT	2.2MF 20% 50V
CNF61	*1-566-664-11	PIN, CONNECTOR 4P		C121	1-101-003-00	CERAMIC	0.0047MF 50V
CNF64	*1-506-348-XX	PIN, CONNECTOR 3P		C122	1-101-003-00	CERAMIC	0.0047MF 50V
CNF65	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		C123	1-101-003-00	CERAMIC	0.0047MF 50V
CNF66	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		C124	1-101-888-00	CERAMIC	68PF 5% 50V
CNF67	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		C125	1-101-888-00	CERAMIC	68PF 5% 50V
CNF162	*1-506-348-XX	PIN, CONNECTOR 4P		C127	1-101-003-00	CERAMIC	0.0047MF 50V
<FUSE>				C128	1-124-963-11	ELECT	33MF 20% 16V
F1601A	1-532-350-11	FUSE, TIME-LAG 4A/250V		C129	1-101-888-00	CERAMIC	68PF 5% 50V
1-533-087-00	HOLDER, FUSE; F1601			C130	1-101-004-00	CERAMIC	0.01MF 50V
<TRANSFORMER>				C131	1-101-006-00	CERAMIC	0.047MF 50V
LF1601A	1-421-866-12	LFT		C132	1-124-499-11	ELECT	1MF 20% 50V
LF1602A	1-421-776-11	LFT		C133	1-101-003-00	CERAMIC	0.0047MF 50V
LF1603A	1-421-592-00	TRANSFORMER, FERRITE		C134	1-124-499-11	ELECT	1MF 20% 50V
<RESISTOR>				C135	1-101-004-00	CERAMIC	0.01MF 50V
R1601A	1-215-192-81	METAL	47K 5% 1/4W	C136	1-101-006-00	CERAMIC	0.047MF 50V
R1602A	1-244-945-91	CARBON	1M 5% 1/2W	C137	1-101-880-00	CERAMIC	47PF 5% 50V
R1603A	1-217-328-11	WIREWOUND	2.7 10% 7W F	C138	1-124-925-11	ELECT	2.2MF 20% 50V
R1604A	1-215-192-81	METAL	47K 5% 1/4W	C139	1-123-875-11	ELECT	10MF 20% 50V
R1605A	1-247-289-11	CARBON	8.2M 5% 1W	C140	1-108-614-11	MYLAR	0.001MF 10% 100V
				C141	1-129-794-00	FILM	0.0033MF 2% 100V
				C142	1-102-816-00	CERAMIC	120PF 5% 50V
				C143	1-101-361-00	CERAMIC	150PF 5% 50V
				C144	1-124-477-11	ELECT	47MF 20% 16V
				C145	1-124-477-11	ELECT	47MF 20% 16V
				C146	1-124-477-11	ELECT	47MF 20% 16V
				C147	1-124-477-11	ELECT	47MF 20% 16V
				C148	1-123-875-11	ELECT	10MF 20% 50V
				C149	1-136-153-00	FILM	0.01MF 5% 50V
				C150	1-136-153-00	FILM	0.01MF 5% 50V
				C151	1-126-233-11	ELECT	22MF 20% 50V
				C152	1-126-233-11	ELECT	22MF 20% 50V
				C153	1-136-165-00	FILM	0.1MF 5% 50V

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C154	1-136-169-00	FILM	0.22MF	5%	50V		
C155	1-124-963-11	ELECT	33MF	20%	16V		
C156	1-136-157-00	FILM	0.022MF	5%	50V		
C157	1-136-161-00	FILM	0.047MF	5%	50V		
C158	1-124-963-11	ELECT	33MF	20%	16V		
C159	1-124-477-11	ELECT	47MF	20%	16V		
C161	1-124-477-11	ELECT	47MF	20%	16V		
C162	1-102-816-00	CERAMIC	120PF	5%	50V		
C163	1-124-927-11	ELECT	4.7MF	20%	50V		
C164	1-106-367-00	MYLAR	0.01MF	10%	400V		
C165	1-130-026-91	FILM	0.0047MF	5%	50V		
C167	1-124-499-11	ELECT	1MF	20%	50V		
C168	1-106-228-00	MYLAR	0.22MF	10%	100V		
C169	1-123-875-11	ELECT	10MF	20%	50V		
C174	1-124-499-11	ELECT	1MF	20%	50V		
C177	1-102-119-00	CERAMIC	0.0015MF	10%	50V		
C187	1-101-003-00	CERAMIC	0.0047MF		50V		
C188	1-124-963-11	ELECT	33MF	20%	16V		
C189	1-124-963-11	ELECT	33MF	20%	16V		
C190	1-106-220-00	MYLAR	0.1MF	10%	100V		
<FILTER>				<TRANSISTOR>			
CD102	1-404-745-11	DISCRIMINATOR, CERAMIC					
CD103	1-404-746-11	DISCRIMINATOR, CERAMIC					
CF101	1-404-134-00	TRAP, CERAMIC (5.5MHZ)					
CF103	1-527-840-00	FILTER, CERAMIC					
CF104	1-527-839-00	FILTER, CERAMIC					
SWF101	1-404-717-11	FILTER, SURFACE WAVE					
<CONNECTOR>							
CNA11	*1-566-659-11	CONNECTOR, HINGE (SOCKET) 18P					
<DIODE>							
D105	8-719-109-92	DIODE RD6.2ES-B1					
D106	8-719-911-19	DIODE 1SS119					
D108	8-719-000-06	DIODE MC921					
D110	8-719-911-19	DIODE 1SS119					
D111	8-719-109-68	DIODE RD3.6ES-B1					
<IC>							
IC101	8-759-909-08	IC TDA3541					
IC102	8-759-973-86	IC TDA2558					
IC103	8-759-013-18	IC TDA6600					
IC104	8-759-946-99	IC TDA2595-V7					
<COIL>							
L101	1-408-226-00	INDUCTOR	82UH				
L102	1-410-116-11	INDUCTOR	560UH				
L103	1-408-406-00	INDUCTOR	5.6UH				
L104	1-408-411-00	INDUCTOR	15UH				
L105	1-410-482-31	INDUCTOR	100UH				
L106	1-410-476-11	INDUCTOR	33UH				
L107	1-408-406-00	INDUCTOR	5.6UH				
L108	1-410-473-11	INDUCTOR	18UH				
L109	1-410-473-11	INDUCTOR	18UH				
L110	1-410-064-11	INDUCTOR	2.7MMH				
L111	1-410-482-31	INDUCTOR	100UH				
L113	1-410-460-11	INDUCTOR	1.5UH				
Q101	8-729-900-61	TRANSISTOR	DTA114ES				
Q102	8-729-900-61	TRANSISTOR	DTA114ES				
Q103	8-729-900-61	TRANSISTOR	DTA114ES				
Q104	8-729-900-61	TRANSISTOR	DTA114ES				
Q105	8-729-178-54	TRANSISTOR	2SC2785				
Q106	8-729-178-54	TRANSISTOR	2SC2785				
Q107	8-729-117-54	TRANSISTOR	2SA1175				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R723	1-249-417-11	CARBON	1K 5% 1/4W	C5011	1-108-702-11	MYLAR	0.068MF 10% 200V
R726	1-202-824-00	SOLID	3.3K 10% 1/2W	C5012	1-130-783-00	MYLAR	0.33MF 10% 100V
R727	1-249-409-11	CARBON	220 5% 1/4W	C5013	1-124-934-51	ELECT	330MF 20% 100V
R728	1-216-350-11	METAL OXIDE	1.2 5% 1W	C5014	1-131-349-00	TANTALUM	2.2MF 10% 35V
R729	1-249-416-11	CARBON	820 5% 1/4W	C5016	1-106-383-00	MYLAR	0.047MF 10% 100V
R730	1-249-401-11	CARBON	47 5% 1/4W	C5017	1-126-101-11	ELECT	100MF 20% 16V
R731	1-249-423-11	CARBON	3.3K 5% 1/4W	C5018	1-126-233-11	ELECT	22MF 20% 50V
R732	1-249-415-11	CARBON	680 5% 1/4W	C5019	1-124-925-11	ELECT	2.2MF 20% 50V
R733	1-249-415-11	CARBON	680 5% 1/4W	C5020	1-126-233-11	ELECT	22MF 20% 50V
R734	1-249-405-11	CARBON	100 5% 1/4W	C5021	1-123-382-00	ELECT	3.3MF 20% 50V
R735	1-215-493-00	METAL	1M 1% 1/6W	C5022	1-124-122-11	ELECT	100MF 20% 50V
R736	1-216-486-00	METAL OXIDE	8.2K 5% 3W	C5023	1-124-477-11	ELECT	47MF 20% 16V
R737	1-215-481-00	METAL	330K 1% 1/6W	C5024	1-124-122-11	ELECT	100MF 20% 50V
R739	1-249-417-11	CARBON	1K 5% 1/4W	C5025	1-106-363-00	MYLAR	0.0068MF 10% 400V
R742	1-202-838-00	SOLID	100K 10% 1/2W	C5026	1-106-379-12	MYLAR	0.033MF 10% 250V
R744	1-202-844-00	SOLID	330K 10% 1/2W	C5027	1-106-218-00	MYLAR	0.082MF 10% 100V
R745	1-202-842-11	SOLID	220K 10% 1/2W	C5028	1-123-875-11	ELECT	10MF 20% 50V
R751	1-249-418-11	CARBON	1.2K 5% 1/4W	C5029	1-106-375-12	MYLAR	0.022MF 10% 250V
R752	1-249-426-11	CARBON	5.6K 5% 1/4W	C5030	1-106-361-00	MYLAR	0.0056MF 10% 400V
R753	1-249-414-11	CARBON	560 5% 1/4W	C5031	1-130-736-11	FILM	0.01MF 5% 100V
R754	1-249-434-11	CARBON	27K 5% 1/4W	C5034	1-131-349-00	TANTALUM	2.2MF 10% 35V
R755	1-249-405-11	CARBON	100 5% 1/4W	<CONNECTOR>			
R756	1-249-419-11	CARBON	1.5K 5% 1/4W	CND185*1-508-766-00	PIN, CONNECTOR (5MM PITCH)	4P	
R757	1-249-405-11	CARBON	100 5% 1/4W	CND186*1-508-767-00	PIN, CONNECTOR (5MM PITCH)	5P	
R758	1-249-409-11	CARBON	220 5% 1/4W	CND187*1-508-784-00	PIN, CONNECTOR (5MM PITCH)	1P	
R760	1-249-411-11	CARBON	330 5% 1/4W	CND188*1-564-884-31	PLUG, CONNECTOR	7P	
R761	1-249-429-11	CARBON	10K 5% 1/4W	<DIODE>			
R762	1-247-895-00	CARBON	470K 5% 1/4W	D5001	8-719-930-11	DIODE EQB01-11	
R763	1-249-429-11	CARBON	10K 5% 1/4W	D5002	8-719-936-83	DIODE GP08DPKG23	
R764	1-249-455-11	CARBON	4.7 5% 1/4W	D5003	8-719-936-83	DIODE GP08DPKG23	
R765	1-249-455-11	CARBON	4.7 5% 1/4W	D5004	8-719-924-06	DIODE ERC24-06S	
R766	1-247-753-11	CARBON	1.2K 5% 1/2W	D5005	8-719-924-06	DIODE ERC24-06S	
R767	1-247-751-11	CARBON	820 5% 1/2W	D5006	8-719-911-19	DIODE 1SS119	
R768	1-215-887-00	METAL OXIDE	150 5% 2W	D5007	8-719-110-33	DIODE RD12ES-B3	
R769	1-212-889-00	FUSIBLE	220 5% 1/4W	D5008	8-719-911-19	DIODE 1SS119	
R770	1-212-869-00	FUSIBLE	33 5% 1/4W	<COIL>			
<VARIABLE RESISTOR>				L5001	1-459-074-00	COIL, DUST CORE 6.8MMH(HCC)	
RV703	1-237-749-11	RES, ADJ, CARBON 2200		L5002	1-408-245-00	INDUCTOR 22MMH	
RV704	1-237-749-11	RES, ADJ, CARBON 2200		L5003	1-407-509-00	INDUCTOR 27MMH	
RV741	1-230-641-21	RES, ADJ, METAL GLAZE 2.2M		L5004	1-407-504-00	INDUCTOR 10MMH	
<SPARK GAP>				L5005	1-408-247-00	INDUCTOR 33MMH	
SG701	1-519-063-XX	DISCHARGING GAP		<TRANSISTOR>			
SG702	1-519-063-XX	DISCHARGING GAP		Q5001	8-729-117-54	TRANSISTOR 2SA1175	
SG703	1-519-063-XX	DISCHARGING GAP		Q5002	8-729-117-54	TRANSISTOR 2SA1175	
*****				Q5003	8-729-195-82	TRANSISTOR 2SC2958-L	
*A-1341-047-A	D1 BOARD, COMPLETE			Q5004	8-729-122-03	TRANSISTOR 2SA1220A-Q	
*****				*4-386-664-01	SPRING; Q5004		
<CAPACITOR>				Q5005	8-729-169-02	TRANSISTOR 2SC2690A-Q	
C5001	1-124-122-11	ELECT	100MF 20% 50V	*4-386-664-01	SPRING; Q5005		
C5002	1-124-122-11	ELECT	100MF 20% 50V	Q5008	8-729-177-32	TRANSISTOR 2SD773	
C5003	1-126-233-11	ELECT	22MF 20% 50V	Q5009	8-729-114-90	TRANSISTOR 2SB734	
C5004	1-102-030-00	CERAMIC	330PF 10% 500V	Q5010	8-729-178-54	TRANSISTOR 2SC2785	
C5005	1-129-741-00	FILM	0.015MF 10% 400V	Q5011	8-729-195-82	TRANSISTOR 2SC2958-L	
C5006	1-124-342-00	ELECT	3.3MF 20% 160V				
C5007	1-126-101-11	ELECT	100MF 20% 16V				
C5008	1-102-157-00	CERAMIC	560PF 10% 500V				
C5009	1-108-619-11	MYLAR	0.0027MF 10% 100V				
C5010	1-124-963-11	ELECT	33MF 20% 16V				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>				<CAPACITOR>			
R5001	1-216-429-00	METAL OXIDE	270 5% 1W	C001	1-102-973-00	CERAMIC	100PF 5% 50V
R5002	1-247-704-11	CARBON	220 5% 1/4W F	C003	1-106-220-00	MYLAR	0.1MF 10% 100V
R5003	1-249-399-11	CARBON	33 5% 1/4W F	C004	1-123-875-11	ELECT	10MF 20% 50V
R5004	1-216-869-11	METAL OXIDE	1K 5% 1W	C005	1-102-074-00	CERAMIC	0.001MF 10% 50V
R5005	1-249-395-11	CARBON	15 5% 1/4W F	C007	1-106-383-00	MYLAR	0.047MF 10% 100V
R5006	1-216-350-11	METAL OXIDE	1.2 5% 1W F	C008	1-101-880-00	CERAMIC	47PF 5% 50V
R5007	1-216-440-00	METAL OXIDE	18K 5% 1W	C009	1-101-884-00	CERAMIC	56PF 5% 50V
R5011	1-212-990-00	FUSIBLE	220 5% 1/2W F	C010	1-126-101-11	ELECT	100MF 20% 16V
R5012	1-249-423-11	CARBON	3.3K 5% 1/4W	C011	1-101-004-00	CERAMIC	0.01MF 50V
R5013	1-249-429-11	CARBON	10K 5% 1/4W	C012	1-126-101-11	ELECT	100MF 20% 16V
R5014	1-249-423-11	CARBON	3.3K 5% 1/4W	C013	1-101-004-00	CERAMIC	0.01MF 50V
R5015	1-249-421-11	CARBON	2.2K 5% 1/4W	C014	1-124-463-00	ELECT	0.1MF 20% 50V
R5016	1-249-405-11	CARBON	100 5% 1/4W F	C015	1-126-101-11	ELECT	100MF 20% 16V
R5017	1-216-350-11	METAL OXIDE	1.2 5% 1W F	C016	1-101-004-00	CERAMIC	0.01MF 50V
R5018	1-249-393-11	CARBON	10 5% 1/4W F	C017	1-123-875-11	ELECT	10MF 20% 50V
R5019	1-249-439-11	CARBON	68K 5% 1/4W	C018	1-102-980-00	CERAMIC	270PF 5% 50V
R5020	1-249-441-11	CARBON	100K 5% 1/4W	C019	1-106-383-00	MYLAR	0.047MF 10% 100V
R5021	1-249-429-11	CARBON	10K 5% 1/4W	C020	1-102-973-00	CERAMIC	100PF 5% 50V
R5023	1-249-431-11	CARBON	15K 5% 1/4W	C021	1-102-973-00	CERAMIC	100PF 5% 50V
R5025	1-215-868-00	METAL OXIDE	680 5% 1W	C022	1-124-477-11	ELECT	47MF 20% 16V
R5027	1-249-434-11	CARBON	27K 5% 1/4W	C023	1-124-499-11	ELECT	1MF 20% 50V
R5029	1-249-411-11	CARBON	330 5% 1/4W	C024	1-124-499-11	ELECT	1MF 20% 50V
R5030	1-216-354-11	METAL OXIDE	2.7 5% 1W F	C025	1-102-125-00	CERAMIC	0.0047MF 10% 50V
R5032	1-215-908-00	METAL OXIDE	33 5% 3W F	C026	1-102-125-00	CERAMIC	0.0047MF 10% 50V
R5033	1-249-411-11	CARBON	330 5% 1/4W	C027	1-106-220-00	MYLAR	0.1MF 10% 100V
R5034	1-249-429-11	CARBON	10K 5% 1/4W	C028	1-101-361-00	CERAMIC	150PF 5% 50V
R5035	1-249-429-11	CARBON	10K 5% 1/4W	C029	1-102-121-00	CERAMIC	0.0022MF 10% 50V
R5036	1-249-395-11	CARBON	15 5% 1/4W	C031	1-124-120-11	ELECT	220MF 20% 16V
R5037	1-249-407-11	CARBON	150 5% 1/4W	C032	1-102-978-00	CERAMIC	220PF 5% 50V
R5038	1-249-434-11	CARBON	27K 5% 1/4W	C251	1-124-927-11	ELECT	4.7MF 20% 50V
R5039	1-216-451-11	METAL OXIDE	120 5% 2W F	C252	1-124-927-11	ELECT	4.7MF 20% 50V
R5040	1-249-435-11	CARBON	33K 5% 1/4W	C253	1-124-122-11	ELECT	100MF 20% 50V
R5041	1-249-414-11	CARBON	560 5% 1/4W	C254	1-124-927-11	ELECT	4.7MF 20% 50V
R5042	1-249-435-11	CARBON	33K 5% 1/4W	C255	1-124-927-11	ELECT	4.7MF 20% 50V
R5043	1-249-419-11	CARBON	1.5K 5% 1/4W	C256	1-106-220-00	MYLAR	0.1MF 10% 100V
R5044	1-249-421-11	CARBON	2.2K 5% 1/4W	C257	1-101-004-00	CERAMIC	0.01MF 50V
R5045	1-249-406-11	CARBON	120 5% 1/4W	C258	1-106-220-00	MYLAR	0.1MF 10% 100V
R5046	1-249-403-11	CARBON	68 5% 1/4W	C260	1-106-220-00	MYLAR	0.1MF 10% 100V
R5047	1-216-423-11	METAL OXIDE	27 5% 1W	C265	1-102-074-00	CERAMIC	0.001MF 10% 50V
R5048	1-247-753-11	CARBON	1.2K 5% 1/2W	C266	1-102-074-00	CERAMIC	0.001MF 10% 50V
R5049	1-215-865-11	METAL OXIDE	220 5% 1W	C401	1-124-477-11	ELECT	47MF 20% 16V
R5056	1-249-411-11	CARBON	330 5% 1/4W	C403	1-124-477-11	ELECT	47MF 20% 16V
<VARIABLE RESISTOR>				C501	1-124-927-11	ELECT	4.7MF 20% 50V
RV5002	1-230-504-11	RES, ADJ, CARBON	220	C502	1-124-927-11	ELECT	4.7MF 20% 50V
RV5003	1-228-990-00	RES, ADJ, CARBON	1K	C503	1-106-371-00	MYLAR	0.015MF 10% 400V
RV5004	1-228-993-00	RES, ADJ, CARBON	4.7K	C504	1-101-361-00	CERAMIC	150PF 5% 50V
RV5005	1-228-991-00	RES, ADJ, CARBON	2.2K	C505	1-108-794-11	MYLAR	0.0015MF 5% 50V
RV5006	1-228-991-00	RES, ADJ, CARBON	2.2K	C506	1-106-375-12	MYLAR	0.022MF 10% 250V
RV5007	1-228-989-00	RES, ADJ, CARBON	470	C507	1-130-783-00	MYLAR	0.33MF 10% 100V
RV5008	1-228-999-00	RES, ADJ, CARBON	470K	C508	1-106-375-12	MYLAR	0.022MF 10% 250V
<TRANSFORMER>				C509	1-106-220-00	MYLAR	0.1MF 10% 100V
T5001	1-413-059-00	TRANSFORMER, FERRITE (DFT)		C510	1-161-959-00	CERAMIC	22PF 10% 500V
*****				C511	1-108-620-11	MYLAR	0.0033MF 10% 100V
*A-1345-764-A	D BOARD, COMPLETE			C512	1-106-220-00	MYLAR	0.1MF 10% 100V
*****				C513	1-108-614-11	MYLAR	0.001MF 10% 100V
*4-341-751-01	EYELET			C514	1-106-228-00	MYLAR	0.22MF 10% 100V
*4-341-752-01	EYELET			C515	1-124-499-11	ELECT	1MF 20% 50V
				C516	1-108-614-11	MYLAR	0.001MF 10% 100V
				C517	1-124-252-00	ELECT	0.33MF 20% 50V
				C518	1-124-902-00	ELECT	0.47MF 20% 50V
				C519	1-136-173-00	FILM	0.47MF 5% 50V
				C520	1-102-121-00	CERAMIC	0.0022MF 10% 50V

D

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
				<FILTER>			
C521	1-106-220-00	MYLAR	0.1MF	10%	100V	CF001	1-567-686-11 OSCILLATOR, CERAMIC
C524	1-108-798-11	MYLAR	0.0033MF	5%	50V	CF501	1-567-888-11 OSCILLATOR, CERAMIC
C525	1-102-973-00	CERAMIC	100PF	5%	50V		
C526	1-102-947-00	CERAMIC	10PF	0.5PF	50V		
C534	1-124-120-11	ELECT	220MF	20%	16V		
				<CONNECTOR>			
C537	1-124-499-11	ELECT	1MF	20%	50V	CN801	*1-508-765-00 PIN, CONNECTOR (5MM PITCH) 3P
C538	1-108-614-11	MYLAR	0.001MF	10%	100V	CND01	*1-564-884-11 PLUG, CONNECTOR 7P
C539	1-102-820-00	CERAMIC	330PF	5%	50V	CND02	*1-564-886-11 PLUG, CONNECTOR 9P
C549	1-123-875-11	ELECT	10MF	20%	50V	CND11	*1-566-660-11 CONNECTOR, HINGE (PLUG) 18P
C591	1-123-875-11	ELECT	10MF	20%	50V	CND12	*1-564-884-11 PLUG, CONNECTOR 7P
C592	1-124-477-11	ELECT	47MF	20%	16V		
C593	1-102-820-00	CERAMIC	330PF	5%	50V	CND18	*1-560-290-00 PLUG, CONNECTOR (2.5MM PITCH)
C601	1-162-599-12	CERAMIC	0.0047MF		250V	CND19	*1-564-881-11 PLUG, CONNECTOR 4P
C602	1-162-599-12	CERAMIC	0.0047MF		250V	CND21	*1-564-346-00 CONNECTOR, BOARD TO BOARD 18P
C603	1-162-599-12	CERAMIC	0.0047MF		250V	CND23	*1-560-124-00 PLUG, CONNECTOR (2.5MM PITCH)
C604	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V	CND31	*1-564-346-00 CONNECTOR, BOARD TO BOARD 18P
C605	1-124-122-11	ELECT	100MF	20%	50V	CND41	*1-566-367-11 CONNECTOR, HINGE (RECEPTACLE)
C606	1-106-220-00	MYLAR	0.1MF	10%	100V	CND45	*1-564-882-11 PLUG, CONNECTOR 5P
C607	1-130-019-00	FILM	0.0012MF	5%	50V	CND51	*1-566-367-11 CONNECTOR, HINGE (RECEPTACLE)
C608	1-123-875-11	ELECT	10MF	20%	50V	CND64	*1-506-348-XX PIN, CONNECTOR 3P
C611	1-124-122-11	ELECT	100MF	20%	50V	CND82	*1-508-765-00 PIN, CONNECTOR (5MM PITCH) 3P
C612	1-162-115-00	CERAMIC	330PF	10%	2KV	CND83	*1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P
C613	1-136-539-11	FILM	0.0022MF	3%	2KV	CND84	*1-564-038-00 CONNECTOR PLUG, DY (MINI) 6P
C614	1-102-030-00	CERAMIC	330PF	10%	500V	CND86	*1-508-766-00 PIN, CONNECTOR (5MM PITCH) 4P
C615	1-124-557-11	ELECT	1000MF	20%	25V	CND88	*1-564-884-31 PLUG, CONNECTOR 7P
C616	1-102-030-00	CERAMIC	330PF	10%	500V	CND91	*1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P
C618	1-124-637-11	ELECT	1000MF	20%	50V	CND92	*1-560-125-00 PLUG, CONNECTOR (2.5MM) 5P
C619	1-124-556-11	ELECT	2200MF	20%	16V	CND94	*1-560-123-00 PLUG, CONNECTOR (2.5MM PITCH)
C620	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C621	1-124-347-00	ELECT	100MF	20%	160V		
C622	1-124-556-11	ELECT	2200MF	20%	16V		
				<DIODE>			
C623	1-124-910-11	ELECT	47MF	20%	50V	D001	8-719-911-19 DIODE 1SS119
C624	1-124-122-11	ELECT	100MF	20%	50V	D002	8-719-911-19 DIODE 1SS119
C625	1-124-360-00	ELECT	1000MF	20%	16V	D003	8-719-911-19 DIODE 1SS119
C626	1-123-875-11	ELECT	10MF	20%	50V	D004	8-719-911-19 DIODE 1SS119
C627	1-102-074-00	CERAMIC	0.001MF	10%	50V	D005	8-719-109-71 DIODE RD3.9ES-B1
C631	1-123-875-11	ELECT	10MF	20%	50V	D007	8-719-109-89 DIODE RD5.6ES-B2
C632	1-102-074-00	CERAMIC	0.001MF	10%	50V	D008	8-719-110-85 DIODE RD36ES-B4
C633	1-124-927-11	ELECT	4.7MF	20%	50V	D009	8-719-109-89 DIODE RD5.6ES-B2
C636	1-123-382-00	ELECT	3.3MF	20%	50V	D011	8-719-911-19 DIODE 1SS119
C801	1-124-913-11	ELECT	470MF	20%	50V	D012	8-719-911-19 DIODE 1SS119
C802	1-102-030-00	CERAMIC	330PF	10%	500V	D254	8-719-110-14 DIODE RD9.1ES-B3
C804	1-123-948-00	ELECT	22MF	20%	250V	D255	8-719-000-12 DIODE MC931
C805	1-162-114-00	CERAMIC	0.0047MF		2KV	D256	8-719-000-12 DIODE MC931
C806	1-106-220-00	MYLAR	0.1MF	10%	100V	D501	8-719-911-19 DIODE 1SS119
C807	1-106-395-00	MYLAR	0.15MF	10%	200V	D506	8-719-000-12 DIODE MC931
C810	1-124-494-00	ELECT	33MF		160V	D508	8-719-911-19 DIODE 1SS119
C811	1-136-113-00	FILM	2MF	5%	200V	D591	8-719-911-19 DIODE 1SS119
C812	1-124-634-11	ELECT	1MF	20%	250V	D592	8-719-911-19 DIODE 1SS119
C813	1-102-212-00	CERAMIC	820PF	10%	500V	D593	8-719-911-19 DIODE 1SS119
C814 Δ	1-161-731-11	CERAMIC	0.001MF	10%	2KV	D601	8-719-946-90 DIODE KBU4JL-6088
C815	1-136-053-00	FILM	1.2MF	5%	200V	D602	8-719-924-06 DIODE ERC24-06S
C817	1-136-735-11	FILM	0.019MF	3%	1.4KV	D603	8-719-936-83 DIODE GP08DPKG23
C818	1-129-721-00	FILM	0.039MF	10%	630V	D604	8-719-936-83 DIODE GP08DPKG23
C819 Δ	1-161-731-11	CERAMIC	0.001MF	10%	2KV	D605	8-719-936-83 DIODE GP08DPKG23
C820	1-106-218-00	MYLAR	0.0082MF	10%	400V	D606	8-719-924-06 DIODE ERC24-06S
C821 Δ	1-162-116-51	CERAMIC	680PF	10%	2KV	D607	8-719-924-06 DIODE ERC24-06S
C822	1-102-114-00	CERAMIC	470PF	10%	50V	D608	8-719-925-06 DIODE ERC25-06S
C823	1-106-359-00	MYLAR	0.0047MF	10%	400V	D610	8-719-300-59 DIODE CTU-12S
C824	1-102-212-00	CERAMIC	820PF	10%	500V	D611	8-719-900-26 DIODE ERD29-08J
C825	1-106-375-12	MYLAR	0.022MF	10%	250V	D612	8-719-300-59 DIODE CTU-12S
C826	1-123-875-11	ELECT	10MF	20%	50V	D613	8-719-924-06 DIODE ERC24-06S
						D614	8-719-924-06 DIODE ERC24-06S
						D615	8-719-109-90 DIODE RD5.6ES-B3

D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D616	8-719-109-93	DIODE RD6.2ES-B2		Q501	8-729-117-54	TRANSISTOR 2SA1175	
D618	8-719-109-89	DIODE RD5.6ES-B2		Q502	8-729-117-54	TRANSISTOR 2SA1175	
D620	8-719-000-12	DIODE MC931		Q503	8-729-178-54	TRANSISTOR 2SC2785	
D622	8-719-911-19	DIODE ISS119		Q505	8-729-114-96	TRANSISTOR 2SD774	
D623	8-719-911-19	DIODE ISS119		Q506	8-729-103-43	TRANSISTOR 2SB734	
D624	8-719-911-19	DIODE ISS119		Q507	8-729-117-54	TRANSISTOR 2SA1175	
D627	8-719-911-19	DIODE ISS119		Q591	8-729-178-54	TRANSISTOR 2SC2785	
D630	8-719-110-39	DIODE RD15ES-B1		Q598	8-729-178-54	TRANSISTOR 2SC2785	
D632	8-719-110-16	DIODE RD10ES-B1		Q601	8-729-904-32	TRANSISTOR 2SB1185-E	
D633	8-719-911-19	DIODE ISS119		Q602	8-729-209-02	TRANSISTOR 2SD1548-LB	
D801	8-719-924-06	DIODE ERC24-06S			*4-368-683-01	SPRING; Q602	
D802	8-719-924-06	DIODE ERC24-06S		Q603	8-729-904-32	TRANSISTOR 2SB1185-E	
D803	8-719-300-65	DIODE ES1F		Q604	8-729-378-91	TRANSISTOR 2SD789	
D804	8-719-936-83	DIODE GP08DPKG23		Q605	8-729-178-54	TRANSISTOR 2SC2785	
D805	8-719-936-83	DIODE GP08DPKG23		Q606	8-729-178-54	TRANSISTOR 2SC2785	
D806	8-719-945-80	DIODE ERC06-15S		Q607	8-729-920-92	TRANSISTOR 2SD2096-EF	
D807	8-719-945-80	DIODE ERC06-15S		Q608	*4-368-683-01	SPRING	
D808	8-719-900-26	DIODE ERD29-08J		Q609	8-729-378-91	TRANSISTOR 2SD789	
D809	8-719-901-58	DIODE RGP15JPKG23		Q801	8-729-178-54	TRANSISTOR 2SC2785	
				Q804	8-729-304-50	TRANSISTOR 2SD1941-06	
	<IC>				*4-368-683-01	SPRING; Q804	
IC001	8-759-630-06	IC M50436-614SP		Q805	8-729-119-80	TRANSISTOR 2SC2688-L	
IC002	8-759-971-68	IC M88503H-597G					
IC003	8-759-603-41	IC M58655P			<RESISTOR>		
IC004	8-759-157-40	IC UPC574J		R001	1-249-417-11	CARBON 1K 5%	1/4W
IC251	8-759-803-31	IC LA4280		R002	1-249-417-11	CARBON 1K 5%	1/4W
	*4-368-683-01	SPRING; IC251		R003	1-249-417-11	CARBON 1K 5%	1/4W
IC401	8-752-006-10	IC CX20061		R004	1-249-417-11	CARBON 1K 5%	1/4W
IC501	8-759-970-73	IC TEA2028B		R005	1-249-411-11	CARBON 330 5%	1/4W
IC601	8-759-946-23	IC TEA2164		R006	1-249-417-11	CARBON 1K 5%	1/4W
	*4-386-642-01	HEAT SINK, IC; IC601		R007	1-249-405-11	CARBON 100 5%	1/4W
IC608	8-759-700-06	IC UPC7812H		R008	1-249-417-11	CARBON 1K 5%	1/4W
				R009	1-249-417-11	CARBON 1K 5%	1/4W
	<COIL>			R010	1-249-413-11	CARBON 470 5%	1/4W
L001	1-408-414-00	INDUCTOR 27UH		R011	1-249-417-11	CARBON 1K 5%	1/4W
L601	*1-420-872-00	COIL, AIR CORE		R012	1-249-417-11	CARBON 1K 5%	1/4W
L602	1-410-396-41	FERRITE BEAD INDUCTOR		R013	1-249-417-11	CARBON 1K 5%	1/4W
L603	1-410-396-41	FERRITE BEAD INDUCTOR		R014	1-249-417-11	CARBON 1K 5%	1/4W
L605	1-459-442-00	COIL (WITH CORE)		R016	1-249-429-11	CARBON 10K 5%	1/4W
L606	1-421-013-00	COIL, (HORIZONTAL CHOKE) 25UH		R017	1-249-417-11	CARBON 1K 5%	1/4W
L607	1-410-482-31	INDUCTOR 100UH		R018	1-249-417-11	CARBON 1K 5%	1/4W
L801	1-459-087-00	COIL, HCC DUST CORE 3.9MMH		R019	1-249-433-11	CARBON 22K 5%	1/4W
L803	1-459-104-00	COIL, DUST CORE		R020	1-249-433-11	CARBON 22K 5%	1/4W
L804	1-408-239-00	INDUCTOR 4.7MMH		R021	1-249-433-11	CARBON 22K 5%	1/4W
L805	*1-459-224-13	COIL, HORIZONTAL LINEARITY		R022	1-249-433-11	CARBON 22K 5%	1/4W
L806	1-459-087-00	COIL, HCC DUST CORE 3.9MMH		R023	1-249-429-11	CARBON 10K 5%	1/4W
L807	1-407-504-00	INDUCTOR 10MMH		R024	1-249-429-11	CARBON 10K 5%	1/4W
L809	*1-420-872-00	COIL, AIR CORE		R025	1-249-417-11	CARBON 1K 5%	1/4W
L810	1-421-982-11	PMC		R026	1-249-417-11	CARBON 1K 5%	1/4W
				R027	1-249-417-11	CARBON 1K 5%	1/4W
	<IC LINK>			R028	1-249-417-11	CARBON 1K 5%	1/4W
PS601A	1-532-984-91	LINK, IC 2A		R029	1-249-417-11	CARBON 1K 5%	1/4W
PS602A	1-532-675-91	LINK, IC 1.5A		R030	1-249-425-11	CARBON 4.7K 5%	1/4W
				R031	1-249-429-11	CARBON 10K 5%	1/4W
	<TRANSISTOR>			R032	1-249-417-11	CARBON 1K 5%	1/4W
Q001	8-729-600-32	TRANSISTOR 2SC403SP-51		R033	1-249-413-11	CARBON 470 5%	1/4W
Q002	8-729-117-54	TRANSISTOR 2SA1175		R034	1-249-413-11	CARBON 470 5%	1/4W
Q003	8-729-117-54	TRANSISTOR 2SA1175		R035	1-249-431-11	CARBON 15K 5%	1/4W
Q004	8-729-117-54	TRANSISTOR 2SA1175		R036	1-249-421-11	CARBON 2.2K 5%	1/4W
Q252	8-729-900-36	TRANSISTOR DTC124ES		R037	1-249-417-11	CARBON 1K 5%	1/4W
				R038	1-249-417-11	CARBON 1K 5%	1/4W
				R039	1-249-417-11	CARBON 1K 5%	1/4W
				R040	1-249-417-11	CARBON 1K 5%	1/4W

D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R041	1-249-417-11	CARBON	1K 5% 1/4W	R266	1-249-425-11	CARBON	4.7K 5% 1/4W
R042	1-249-417-11	CARBON	1K 5% 1/4W	R401	1-249-434-11	CARBON	27K 5% 1/4W
R043	1-249-417-11	CARBON	1K 5% 1/4W	R402	1-249-435-11	CARBON	33K 5% 1/4W
R044	1-249-429-11	CARBON	10K 5% 1/4W	R410	1-249-413-11	CARBON	470 5% 1/4W
R045	1-249-417-11	CARBON	1K 5% 1/4W	R411	1-249-413-11	CARBON	470 5% 1/4W
R046	1-249-429-11	CARBON	10K 5% 1/4W	R412	1-249-413-11	CARBON	470 5% 1/4W
R047	1-249-409-11	CARBON	220 5% 1/4W	R500	1-247-897-11	CARBON	560K 5% 1/4W
R048	1-249-417-11	CARBON	1K 5% 1/4W	R501	1-249-413-11	CARBON	470 5% 1/4W
R049	1-249-417-11	CARBON	1K 5% 1/4W	R502	1-249-409-11	CARBON	220 5% 1/4W
R050	1-249-433-11	CARBON	22K 5% 1/4W	R503	1-249-410-11	CARBON	270 5% 1/4W
R051	1-249-429-11	CARBON	10K 5% 1/4W	R504	1-215-427-00	METAL	1.8K 1% 1/6W
R052	1-249-439-11	CARBON	68K 5% 1/4W	R505	1-249-431-11	CARBON	15K 5% 1/4W
R053	1-249-437-11	CARBON	47K 5% 1/4W	R506	1-249-428-11	CARBON	8.2K 5% 1/4W
R054	1-249-417-11	CARBON	1K 5% 1/4W	R507	1-247-891-00	CARBON	330K 5% 1/4W
R056	1-249-440-11	CARBON	82K 5% 1/4W	R509	1-249-424-11	CARBON	3.9K 5% 1/4W
R057	1-249-409-11	CARBON	220 5% 1/4W	R510	1-249-426-11	CARBON	5.6K 5% 1/4W
R058	1-249-409-11	CARBON	220 5% 1/4W	R511	1-249-429-11	CARBON	10K 5% 1/4W
R059	1-249-437-11	CARBON	47K 5% 1/4W	R512	1-247-891-00	CARBON	330K 5% 1/4W
R060	1-249-437-11	CARBON	47K 5% 1/4W	R513	1-249-429-11	CARBON	10K 5% 1/4W
R061	1-249-417-11	CARBON	1K 5% 1/4W	R514	1-249-409-11	CARBON	220 5% 1/4W
R062	1-249-411-11	CARBON	330 5% 1/4W	R515	1-249-423-11	CARBON	3.3K 5% 1/4W
R063	1-249-431-11	CARBON	15K 5% 1/4W	R516	1-249-408-11	CARBON	180 5% 1/4W
R064	1-249-429-11	CARBON	10K 5% 1/4W	R517	1-249-429-11	CARBON	10K 5% 1/4W
R067	1-249-413-11	CARBON	470 5% 1/4W	R518	1-249-437-11	CARBON	47K 5% 1/4W
R068	1-249-421-11	CARBON	2.2K 5% 1/4W	R519	1-249-433-11	CARBON	22K 5% 1/4W
R069	1-249-423-11	CARBON	3.3K 5% 1/4W	R520	1-249-411-11	CARBON	330 5% 1/4W
R070	1-249-417-11	CARBON	1K 5% 1/4W	R521	1-249-405-11	CARBON	100 5% 1/4W
R071	1-249-417-11	CARBON	1K 5% 1/4W	R522	1-215-469-00	METAL	100K 1% 1/6W
R072	1-249-417-11	CARBON	1K 5% 1/4W	R523	1-249-417-11	CARBON	1K 5% 1/4W
R073	1-249-417-11	CARBON	1K 5% 1/4W	R524	1-249-421-11	CARBON	2.2K 5% 1/4W
R074	1-249-417-11	CARBON	1K 5% 1/4W	R525	1-249-417-11	CARBON	1K 5% 1/4W
R075	1-249-417-11	CARBON	1K 5% 1/4W	R528	1-249-408-11	CARBON	180 5% 1/4W
R077	1-249-413-11	CARBON	470 5% 1/4W	R529	1-249-427-11	CARBON	6.8K 5% 1/4W
R078	1-249-423-11	CARBON	3.3K 5% 1/4W	R530	1-249-448-11	CARBON	1.2 5% 1/4W
R079	1-249-435-11	CARBON	33K 5% 1/4W	R534	1-247-901-11	CARBON	820K 5% 1/4W
R080	1-249-429-11	CARBON	10K 5% 1/4W	R536	1-249-749-00	CARBON	2.2M 5% 1/4W
R081	1-249-441-11	CARBON	100K 5% 1/4W	R538	1-247-883-00	CARBON	150K 5% 1/4W
R082	1-249-409-11	CARBON	220 5% 1/4W	R539	1-247-883-00	CARBON	150K 5% 1/4W
R083	1-249-429-11	CARBON	10K 5% 1/4W	R540	1-249-399-11	CARBON	33 5% 1/4W
R084	1-249-413-11	CARBON	470 5% 1/4W	R541	1-249-438-11	CARBON	56K 5% 1/4W
R085	1-249-429-11	CARBON	10K 5% 1/4W	R542	1-249-425-11	CARBON	4.7K 5% 1/4W
R086	1-249-417-11	CARBON	1K 5% 1/4W	R546	1-249-434-11	CARBON	27K 5% 1/4W
R087	1-249-417-11	CARBON	1K 5% 1/4W	R549	1-215-890-11	METAL OXIDE	470 5% 2W
R088	1-249-425-11	CARBON	4.7K 5% 1/4W	R550	1-249-440-11	CARBON	82K 5% 1/4W
R090	1-249-413-11	CARBON	470 5% 1/4W	R551	1-249-749-00	CARBON	2.2M 5% 1/4W
R091	1-249-409-11	CARBON	220 5% 1/4W	R552	1-216-433-00	METAL OXIDE	1.2K 5% 1W
R093	1-249-429-11	CARBON	10K 5% 1/4W	R553	1-216-869-11	METAL OXIDE	1K 5% 1W
R094	1-249-429-11	CARBON	10K 5% 1/4W	R554	1-249-411-11	CARBON	330 5% 1/4W
R095	1-249-409-11	CARBON	220 5% 1/4W	R555	1-249-749-00	CARBON	2.2M 5% 1/4W
R096	1-249-409-11	CARBON	220 5% 1/4W	R556	1-249-405-11	CARBON	100 5% 1/4W
R097	1-249-429-11	CARBON	10K 5% 1/4W	R557	1-249-425-11	CARBON	4.7K 5% 1/4W
R098	1-249-429-11	CARBON	10K 5% 1/4W	R558	1-247-895-00	CARBON	470K 5% 1/4W
R099	1-215-900-11	METAL OXIDE	22K 5% 2W	R559	1-249-427-11	CARBON	6.8K 5% 1/4W
R251	1-249-417-11	CARBON	1K 5% 1/4W	R560	1-249-411-11	CARBON	330 5% 1/4W
R252	1-249-413-11	CARBON	470 5% 1/4W	R591	1-249-427-11	CARBON	6.8K 5% 1/4W
R253	1-249-413-11	CARBON	470 5% 1/4W	R592	1-249-429-11	CARBON	10K 5% 1/4W
R255	1-249-385-11	CARBON	2.2 5% 1/4W	R593	1-249-429-11	CARBON	10K 5% 1/4W
R256	1-249-385-11	CARBON	2.2 5% 1/4W	R594	1-249-424-11	CARBON	3.9K 5% 1/4W
R260	1-249-393-11	CARBON	10 5% 1/4W	R595	1-249-417-11	CARBON	1K 5% 1/4W
R261	1-249-429-11	CARBON	10K 5% 1/4W	R596	1-249-425-11	CARBON	4.7K 5% 1/4W
R262	1-249-413-11	CARBON	470 5% 1/4W	R597	1-249-425-11	CARBON	4.7K 5% 1/4W
R263	1-249-421-11	CARBON	2.2K 5% 1/4W	R598	1-249-405-11	CARBON	100 5% 1/4W
R264	1-249-421-11	CARBON	2.2K 5% 1/4W	R599	1-249-405-11	CARBON	100 5% 1/4W
R265	1-249-425-11	CARBON	4.7K 5% 1/4W				

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

KV-DX27TD
RM-673

D V

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R602	1-216-465-11	METAL OXIDE	27K 5% 2W F	R1007	1-249-408-11	CARBON	180 5% 1/4W
R603	1-216-359-00	METAL OXIDE	6.8 5% 1W F	R1008	1-249-409-11	CARBON	220 5% 1/4W
R604	1-249-414-11	CARBON	560 5% 1/4W	R1009	1-249-417-11	CARBON	1K 5% 1/4W
R605	1-215-469-00	METAL	100K 1% 1/6W	R1011	1-249-413-11	CARBON	470 5% 1/4W
R606	1-247-850-11	CARBON	6.2K 5% 1/4W	R1012	1-249-405-11	CARBON	100 5% 1/4W
R607	1-249-434-11	CARBON	27K 5% 1/4W	R5501	1-249-429-11	CARBON	10K 5% 1/4W
R608	1-216-490-11	METAL OXIDE	39K 5% 3W F	R5502	1-249-417-11	CARBON	1K 5% 1/4W
R609	1-249-401-11	CARBON	47 5% 1/4W	R5503	1-249-389-11	CARBON	4.7 5% 1/4W
R610	1-249-385-11	CARBON	2.2 5% 1/4W F	R5504	1-247-903-00	CARBON	1M 5% 1/4W
R611	1-249-385-11	CARBON	2.2 5% 1/4W F				
R612	1-207-905-00	WIREWOUND	0.27 10% 2W F			<VARIABLE RESISTOR>	
R613	1-249-401-11	CARBON	47 5% 1/4W	RV501	1-228-991-00	RES, ADJ, CARBON 2.2K	
R614	1-205-758-11	WIREWOUND	100 10% 10W F	RV502	1-228-994-00	RES, ADJ, CARBON 10K	
R616	1-249-417-11	CARBON	1K 5% 1/4W	RV601	1-228-991-00	RES, ADJ, CARBON 2.2K	
R617	1-249-411-11	CARBON	330 5% 1/4W			<SPARK GAP>	
R618	1-216-431-11	METAL OXIDE	560 5% 1W	SG801	1-519-063-XX	DISCHARGING GAP	
R619	1-249-429-11	CARBON	10K 5% 1/4W			<TRANSFORMER>	
R620	1-249-433-11	CARBON	22K 5% 1/4W	T601 Δ 1-448-961-11	S.R.T		
R621	1-249-431-11	CARBON	15K 5% 1/4W	T602 Δ 1-424-011-12	TRANSFORMER, PULSE		
R622	1-249-429-11	CARBON	10K 5% 1/4W	T801 Δ 1-437-090-21	HDT		
R623	1-249-377-11	CARBON	0.47 5% 1/4W F			<TERMINAL PIN>	
R624	1-249-411-11	CARBON	330 5% 1/4W	TP91	*1-535-084-00	1P TERMINAL PIN	
R625	1-215-865-11	METAL OXIDE	220 5% 1W	*****			
R626	1-249-411-11	CARBON	330 5% 1/4W	*A-1347-030-A	V BOARD, COMPLETE		
R628	1-249-393-11	CARBON	10 5% 1/4W	*****			
R629	1-249-411-11	CARBON	330 5% 1/4W	*4-380-698-01	CASE (MAIN), SHIELD, A1		
R630	1-249-437-11	CARBON	47K 5% 1/4W	*4-380-699-01	CASE (UPPER LID), SHIELD, A1		
R633	1-249-405-11	CARBON	100 5% 1/4W	*4-382-701-01	CASE (BOTTOM LID), SHIELD, A2		
R634	1-216-430-11	METAL OXIDE	390 5% 1W			<CAPACITOR>	
R635	1-249-429-11	CARBON	10K 5% 1/4W	C01	1-126-101-11	ELECT	100MF 20% 16V
R636	1-249-429-11	CARBON	10K 5% 1/4W	C02	1-124-120-11	ELECT	220MF 20% 16V
R642	1-216-343-00	METAL OXIDE	0.33 5% 1W F	C03	1-124-119-00	ELECT	330MF 20% 16V
R643	1-217-192-21	WIREWOUND	0.22 10% 2W F	C04	1-124-477-11	ELECT	47MF 20% 16V
R647	1-216-485-11	METAL OXIDE	5.6K 5% 3W F	C05	1-126-101-11	ELECT	100MF 20% 16V
R648	1-216-485-11	METAL OXIDE	5.6K 5% 3W F	C06	1-124-120-11	ELECT	220MF 20% 16V
R649	1-249-385-11	CARBON	2.2 5% 1/4W	C07	1-124-499-11	ELECT	1MF 20% 50V
R650	1-249-417-11	CARBON	1K 5% 1/4W	C08	1-163-097-00	CERAMIC CHIP	15PF 5% 50V
R651	1-249-405-11	CARBON	100 5% 1/4W	C09	1-163-141-00	CERAMIC CHIP	0.001MF 10% 50V
R652	1-247-903-00	CARBON	1M 5% 1/4W	C10	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
R653	1-205-758-11	WIREWOUND	100 10% 10W F	C11	1-163-037-11	CERAMIC CHIP	0.022MF 10% 25V
R802	1-249-443-11	CARBON	0.47 5% 1/4W F	C12	1-163-127-00	CERAMIC CHIP	270PF 5% 50V
R805	1-249-448-11	CARBON	1.2 5% 1/4W F	C13	1-163-117-00	CERAMIC CHIP	100PF 5% 50V
R806	1-249-439-11	CARBON	68K 5% 1/4W	C14	1-163-097-00	CERAMIC CHIP	15PF 5% 50V
R807	1-216-869-11	METAL OXIDE	1K 5% 1W	C15	1-163-103-00	CERAMIC CHIP	27PF 5% 50V
R809	1-202-821-11	SOLID	1.8K 10% 1/2W	C16	1-163-021-00	CERAMIC CHIP	0.01MF 10% 50V
R810	1-202-818-00	SOLID	1K 10% 1/2W	C17	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
R811	1-215-882-00	METAL OXIDE	22 5% 2W F	C18	1-163-099-00	CERAMIC CHIP	18PF 5% 50V
R812	1-249-494-11	CARBON	68K 5% 1/2W	C19	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
R815	1-215-884-11	METAL OXIDE	47 5% 2W F	C20	1-163-125-00	CERAMIC CHIP	220PF 5% 50V
R816	1-215-868-00	METAL OXIDE	680 5% 1W	C21	1-163-833-00	CERAMIC CHIP	0.068MF 25V
R817	1-249-417-11	CARBON	1K 5% 1/4W	C24	1-126-101-11	ELECT	100MF 20% 16V
R820	1-249-403-11	CARBON	68 5% 1/4W	C25	1-124-477-11	ELECT	47MF 20% 16V
R821	1-247-725-11	CARBON	10K 5% 1/4W F	C27	1-163-129-00	CERAMIC CHIP	330PF 5% 50V
R822	1-217-778-11	FUSIBLE	1K 5% 1W F	C28	1-163-137-00	CERAMIC CHIP	680PF 10% 50V
R825	1-216-342-11	METAL OXIDE	0.27 5% 1W F				
R826	1-249-441-11	CARBON	100K 5% 1/4W				
R827	1-249-429-11	CARBON	10K 5% 1/4W				
R828	1-249-423-11	CARBON	3.3K 5% 1/4W				
R829	1-249-411-11	CARBON	330 5% 1/4W				
R830	1-249-429-11	CARBON	10K 5% 1/4W				
R831	1-249-451-11	CARBON	2.2 5% 1/4W				
R1001	1-249-421-11	CARBON	2.2K 5% 1/4W				
R1005	1-249-408-11	CARBON	180 5% 1/4W				
R1006	1-249-408-11	CARBON	180 5% 1/4W				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C29	1-124-927-11	ELECT 4.7MF	20%	R08	1-216-037-00	METAL GLAZE 330 5%	1/10W
C51	1-163-038-00	CERAMIC CHIP 0.1MF		R09	1-216-091-00	METAL GLAZE 56K 5%	1/10W
C52	1-163-038-00	CERAMIC CHIP 0.1MF		R13	1-216-025-00	METAL GLAZE 100 5%	1/10W
C53	1-163-038-00	CERAMIC CHIP 0.1MF		R14	1-216-025-00	METAL GLAZE 100 5%	1/10W
C54	1-163-038-00	CERAMIC CHIP 0.1MF		R15	1-216-121-00	METAL GLAZE 1M 5%	1/10W
C55	1-163-038-00	CERAMIC CHIP 0.1MF		R16	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
C56	1-163-038-00	CERAMIC CHIP 0.1MF		R17	1-216-049-00	METAL GLAZE 1K 5%	1/10W
C57	1-163-141-00	CERAMIC CHIP 0.001MF	10%	R18	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
C58	1-163-141-00	CERAMIC CHIP 0.001MF	10%	R19	1-216-037-00	METAL GLAZE 330 5%	1/10W
C59	1-163-141-00	CERAMIC CHIP 0.001MF	10%	R20	1-216-043-00	METAL GLAZE 560 5%	1/10W
<TRIMMER>				R27	1-216-013-00	METAL GLAZE 33 5%	1/10W
CT01	1-141-392-11	CAP, VAR, TRIMMER (1 GANG)		R28	1-216-013-00	METAL GLAZE 33 5%	1/10W
<DIODE>				R29	1-216-013-00	METAL GLAZE 33 5%	1/10W
D01	8-719-400-47	DIODE MA3056M		R30	1-218-325-91	METAL GRAZE 120	1/4W
D02	8-719-400-95	DIODE MA3130L		R31	1-218-325-91	METAL GRAZE 120	1/4W
D03	8-719-914-43	DIODE DAN202K		R32	1-218-325-91	METAL GRAZE 120	1/4W
D04	8-719-420-42	DIODE MA3036H		R33	1-216-023-00	METAL GLAZE 82 5%	1/10W
D07	8-719-400-63	DIODE MA3068M		R34	1-216-049-00	METAL GLAZE 1K 5%	1/10W
D08	8-719-400-63	DIODE MA3068M		R37	1-216-025-00	METAL GLAZE 100 5%	1/10W
D09	8-719-914-43	DIODE DAN202K		R38	1-216-047-00	METAL GLAZE 820 5%	1/10W
D10	8-719-914-43	DIODE DAN202K		R40	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
D11	8-719-914-44	DIODE DAP202K		R41	1-216-041-00	METAL GLAZE 470 5%	1/10W
D12	8-719-914-44	DIODE DAP202K		R43	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
<IC>				R44	1-216-041-00	METAL GLAZE 470 5%	1/10W
IC1	8-759-972-41	IC MAB8461P-W136		R45	1-216-049-00	METAL GLAZE 1K 5%	1/10W
IC2	8-759-972-96	IC SAA5231-V6		R46	1-216-311-00	METAL GLAZE 6.8 5%	1/10W
IC3	8-759-946-85	IC SAA5243E		R51	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
IC4	8-759-230-68	IC TMM2063P-70		R52	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
<COIL>				R53	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
L01	1-408-411-00	INDUCTOR 15UH		R54	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
L02	1-408-407-00	INDUCTOR 6.8UH		R55	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
L03	1-408-407-00	INDUCTOR 6.8UH		R56	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
L04	1-408-407-00	INDUCTOR 6.8UH		R57	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
L05	1-408-407-00	INDUCTOR 6.8UH		R58	1-216-049-00	METAL GLAZE 1K 5%	1/10W
L06	1-408-407-00	INDUCTOR 6.8UH		R59	1-216-056-00	METAL GLAZE 2K 5%	1/10W
<TRANSISTOR>				R60	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
Q01	8-729-904-27	TRANSISTOR 2SD1761-E		R61	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
Q02	8-729-202-06	TRANSISTOR 2SC2873Y-12L		R62	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q03	8-729-900-53	TRANSISTOR DTC114EK		R63	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q04	8-729-271-22	TRANSISTOR 2SC2712G-85L		R64	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q05	8-729-202-06	TRANSISTOR 2SC2873Y-12L		R65	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q06	8-729-271-22	TRANSISTOR 2SC2712G-85L		R66	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q07	8-729-271-22	TRANSISTOR 2SC2712G-85L		R67	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q09	8-729-800-68	TRANSISTOR 2SB815B6		R68	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q10	8-729-800-68	TRANSISTOR 2SB815B6		R69	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q11	8-729-800-68	TRANSISTOR 2SB815B6		<VARIABLE RESISTOR>			
<RESISTOR>				RV01	1-238-009-11	RES, ADJ, CARBON 220	
R01	1-218-326-91	METAL GRAZE 470	1/2W	<CONNECTOR>			
R02	1-216-065-00	METAL GRAZE 100 5%	1/10W	V1	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
R04	1-218-326-91	METAL GRAZE 470	1/2W	V2	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
R05	1-216-025-00	METAL GLAZE 100 5%	1/10W	V3	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
R06	1-216-049-00	METAL GLAZE 1K 5%	1/10W	V4	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)	
R07	1-216-025-00	METAL GLAZE 100 5%	1/10W	V5	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
<CRYSTAL>				CNV03	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
X01	1-567-162-21	OSCILLATOR, CRYSTAL		<CRYSTAL>			
X02	1-567-495-21	OSCILLATOR, CRYSTAL		X01	1-567-162-21	OSCILLATOR, CRYSTAL	
X03	1-577-082-11	VIBRATOR, CERAMIC		X02	1-567-495-21	OSCILLATOR, CRYSTAL	
				X03	1-577-082-11	VIBRATOR, CERAMIC	

J2	H3	H4	J1
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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*1-625-205-11	J2 BOARD *****				<DIODE>	
		<CAPACITOR>		D1401	8-719-101-08	DIODE SR108D	
C1401	1-126-105-11	ELECT	1000MF 20% 35V		*4-387-801-01	HOLDER, LED; D1401	
C1402	1-126-105-11	ELECT	1000MF 20% 35V	D1402	8-719-101-08	DIODE SR108D	
		<CONNECTOR>			*4-387-801-01	HOLDER, LED; D1402	
CNJ23	*1-564-893-11	PLUG, CONNECTOR 4P		D1403	8-719-101-08	DIODE SR108D	
CNJ242	*1-564-893-11	PLUG, CONNECTOR 4P			*4-387-801-01	HOLDER, LED; D1403	
		<JACK>		D1404	8-719-948-31	DIODE LD-201VR	
J1401	1-507-806-00	JACK				<IC>	
		<RESISTOR>		IC1401	8-749-901-33	IC SBX1483-11	
R1401	1-247-708-11	METAL	470 5% 1/4W		*****		
R1402	1-247-708-11	METAL	470 5% 1/4W		*A-1371-419-A	J1 BOARD, COMPLETE	
		*****				*****	
	*1-625-201-11	H3 BOARD *****				<CAPACITOR>	
		<CONNECTOR>		C1401	1-123-875-11	ELECT	10MF 20% 50V
CNH302	*1-564-898-11	PLUG, CONNECTOR 9P		C1402	1-126-103-11	ELECT	470MF 20% 16V
CNH303	*1-564-892-41	PLUG, CONNECTOR 3P		C1403	1-102-112-00	CERAMIC	330PF 10% 50V
		<DIODE>		C1404	1-124-902-00	ELECT	0.47MF 20% 50V
D1405	8-719-812-41	DIODE TLR124		C1405	1-101-003-00	CERAMIC	0.0047MF 50V
	*4-348-208-00	HOLDER, LED; D1405					
		<SWITCH>		C1406	1-124-902-00	ELECT	0.47MF 20% 50V
S1401	1-571-085-21	SWITCH, TACTICLE		C1407	1-124-477-11	ELECT	47MF 20% 16V
S1402	1-571-085-21	SWITCH, TACTICLE		C1408	1-126-101-11	ELECT	100MF 20% 16V
S1403	1-571-085-21	SWITCH, TACTICLE		C1409	1-126-233-11	ELECT	22MF 20% 50V
S1404	1-571-085-21	SWITCH, TACTICLE		C1410	1-123-875-11	ELECT	10MF 20% 50V
S1405	1-571-085-21	SWITCH, TACTICLE					
S1406	1-571-085-21	SWITCH, TACTICLE		C1411	1-123-875-11	ELECT	10MF 20% 50V
S1407	1-571-085-21	SWITCH, TACTICLE		C1412	1-124-477-11	ELECT	47MF 20% 16V
S1408	1-571-085-21	SWITCH, TACTICLE		C1413	1-124-477-11	ELECT	47MF 20% 16V
S1409	1-571-085-21	SWITCH, TACTICLE		C1414	1-123-875-11	ELECT	10MF 20% 50V
S1410	1-571-085-21	SWITCH, TACTICLE		C1415	1-124-902-00	ELECT	0.47MF 20% 50V
S1411	1-571-085-21	SWITCH, TACTICLE					
S1412	1-571-085-21	SWITCH, TACTICLE		C1416	1-124-902-00	ELECT	0.47MF 20% 50V
S1414	1-571-085-21	SWITCH, TACTICLE		C1417	1-124-120-11	ELECT	220MF 20% 16V
		*****		C1418	1-102-112-00	CERAMIC	330PF 10% 50V
	*1-625-202-11	H4 BOARD *****		C1419	1-102-112-00	CERAMIC	330PF 10% 50V
		<CONNECTOR>		C1421	1-124-477-11	ELECT	47MF 20% 16V
*4-374-987-01	GUIDE, LIGHT						
*4-387-825-01	HOLDER, LED			C1423	1-106-375-12	MYLAR	0.022MF 10% 250V
*4-388-955-01	BRACKET (B), LIGHT GUIDE			C1424	1-106-375-12	MYLAR	0.022MF 10% 250V
				C1425	1-124-902-00	ELECT	0.47MF 20% 50V
				C1426	1-124-902-00	ELECT	0.47MF 20% 50V
				C1427	1-101-003-00	CERAMIC	0.0047MF 50V
				C1428	1-101-003-00	CERAMIC	0.0047MF 50V
				C1429	1-101-003-00	CERAMIC	0.0047MF 50V
				C1430	1-102-112-00	CERAMIC	330PF 10% 50V
				C1431	1-124-902-00	ELECT	0.47MF 20% 50V
				C1432	1-124-902-00	ELECT	0.47MF 20% 50V
				C1433	1-126-101-11	ELECT	100MF 20% 16V
				C1436	1-102-074-00	CERAMIC	0.001MF 10% 50V
				C1437	1-102-074-00	CERAMIC	0.001MF 10% 50V
				C1501	1-123-875-11	ELECT	10MF 20% 50V
				C1502	1-123-875-11	ELECT	10MF 20% 50V
				C1503	1-108-614-11	MYLAR	0.001MF 10% 100V
				C1504	1-124-910-11	ELECT	47MF 20% 50V
				C1505	1-106-383-00	MYLAR	0.047MF 10% 100V
				C1507	1-108-620-11	MYLAR	0.0033MF 10% 100V
				C1508	1-124-499-11	ELECT	1MF 20% 50V
				C1509	1-124-499-11	ELECT	1MF 20% 50V
				C1511	1-123-875-11	ELECT	10MF 20% 50V
				C1512	1-106-363-00	MYLAR	0.0068MF 10% 400V
				C1513	1-102-963-00	CERAMIC	33PF 5% 50V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1514	1-106-353-00	MYLAR 0.027MF	10% 250V	R1402	1-247-698-11	METAL	68 5% 1/4W
C1515	1-102-117-00	CERAMIC 820PF	10% 50V	R1403	1-249-437-11	CARBON	47K 5% 1/4W
C1551	1-102-973-00	CERAMIC 100PF	10% 50V	R1404	1-249-413-11	CARBON	470 5% 1/4W
C1552	1-124-122-11	ELECT 100MF	20% 50V	R1405	1-249-429-11	CARBON	10K 5% 1/4W
<CONNECTOR>				R1407	1-247-895-00	CARBON	470K 5% 1/4W
CN1401	1-536-996-11	TERMINAL BOARD, INPUT/OUTPUT		R1408	1-249-434-11	CARBON	27K 5% 1/4W
CN1402	1-561-534-41	SOCKET 21P		R1409	1-249-413-11	CARBON	470 5% 1/4W
CN1403	1-561-534-41	SOCKET 21P		R1410	1-249-434-11	CARBON	27K 5% 1/4W
CNJ25	*1-564-892-41	PLUG, CONNECTOR 3P		R1411	1-249-413-11	CARBON	470 5% 1/4W
CNJ41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P		R1412	1-249-437-11	CARBON	47K 5% 1/4W
CNJ43	*1-564-893-11	PLUG, CONNECTOR 4P		R1413	1-247-895-00	CARBON	470K 5% 1/4W
CNJ45	*1-564-894-11	PLUG, CONNECTOR 5P		R1414	1-249-437-11	CARBON	47K 5% 1/4W
CNJ51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P		R1415	1-249-434-11	CARBON	27K 5% 1/4W
CNJ67	*1-560-721-21	PLUG, CONNECTOR 2P		R1416	1-249-434-11	CARBON	27K 5% 1/4W
CNJ142	*1-564-893-11	PLUG, CONNECTOR 4P		R1417	1-249-404-00	CARBON	82 5% 1/4W
<DIODE>				R1418	1-247-738-11	CARBON	82 5% 1/2W F
D1401	8-719-110-04	DIODE RD7.5ES-B3		R1419	1-249-409-11	CARBON	220 5% 1/4W
D1403	8-719-110-04	DIODE RD7.5ES-B3		R1420	1-249-409-11	CARBON	220 5% 1/4W
D1404	8-719-110-04	DIODE RD7.5ES-B3		R1422	1-249-417-11	CARBON	1K 5% 1/4W
D1405	8-719-110-04	DIODE RD7.5ES-B3		R1423	1-249-434-11	CARBON	27K 5% 1/4W
D1406	8-719-110-04	DIODE RD7.5ES-B3		R1424	1-249-434-11	CARBON	27K 5% 1/4W
D1407	8-719-110-18	DIODE RD10ES-B3		R1425	1-249-417-11	CARBON	1K 5% 1/4W
D1408	8-719-110-14	DIODE RD9.1ES-B3		R1426	1-249-417-11	CARBON	1K 5% 1/4W
D1409	8-719-110-04	DIODE RD7.5ES-B3		R1427	1-249-417-11	CARBON	1K 5% 1/4W
D1410	8-719-110-04	DIODE RD7.5ES-B3		R1428	1-247-895-00	CARBON	470K 5% 1/4W
D1415	8-719-110-04	DIODE RD7.5ES-B3		R1429	1-247-895-00	CARBON	470K 5% 1/4W
D1418	8-719-110-04	DIODE RD7.5ES-B3		R1430	1-247-699-11	METAL	82 5% 1/4W
D1419	8-719-110-04	DIODE RD7.5ES-B3		R1433	1-249-409-11	CARBON	220 5% 1/4W
D1420	8-719-110-04	DIODE RD7.5ES-B3		R1434	1-249-393-11	CARBON	10 5% 1/4W F
D1501	8-719-912-20	DIODE 1SS120		R1437	1-249-429-11	CARBON	10K 5% 1/4W
D1502	8-719-911-19	DIODE 1SS119		R1440	1-249-415-11	CARBON	680 5% 1/4W
D1503	8-719-911-19	DIODE 1SS119		R1441	1-249-415-11	CARBON	680 5% 1/4W
D1504	8-719-911-19	DIODE 1SS119		R1442	1-249-437-11	CARBON	47K 5% 1/4W
D1505	8-719-000-12	DIODE MC931		R1443	1-249-437-11	CARBON	47K 5% 1/4W
D1506	8-719-110-85	DIODE RD36ES-B4		R1444	1-249-409-11	CARBON	220 5% 1/4W
D1507	8-719-911-19	DIODE 1SS119		R1445	1-249-440-11	CARBON	82K 5% 1/4W
D1509	8-719-911-19	DIODE 1SS119		R1447	1-249-409-11	CARBON	220 5% 1/4W
D1551	8-719-110-64	DIODE RD24ES-B4		R1448	1-249-409-11	CARBON	220 5% 1/4W
D1552	8-719-924-06	DIODE ERC24-06S		R1450	1-249-413-11	CARBON	470 5% 1/4W
<IC>				R1451	1-249-413-11	CARBON	470 5% 1/4W
IC1401	8-752-032-27	IC CXA1114P		R1452	1-249-412-11	CARBON	390 5% 1/4W
IC1402	8-759-946-32	IC TEA2014A		R1453	1-249-412-11	CARBON	390 5% 1/4W
IC1501	8-759-942-16	IC TEA2031A		R1454	1-247-703-11	METAL	180 5% 1/4W
<COIL>				R1455	1-247-703-11	METAL	180 5% 1/4W
L1401	1-412-043-11	INDUCTOR, WIDE BAND		R1456	1-249-405-11	CARBON	100 5% 1/4W
L1402	1-412-043-11	INDUCTOR, WIDE BAND		R1501	1-249-433-11	CARBON	22K 5% 1/4W
<TRANSISTOR>				R1502	1-249-434-11	CARBON	27K 5% 1/4W
Q1401	8-729-117-54	TRANSISTOR 2SA1175		R1503	1-247-895-00	CARBON	470K 5% 1/4W
Q1402	8-729-117-54	TRANSISTOR 2SA1175		R1504	1-249-435-11	CARBON	33K 5% 1/4W
Q1551	8-729-178-54	TRANSISTOR 2SC2785		R1505	1-249-433-11	CARBON	22K 5% 1/4W
Q1552	8-729-177-43	TRANSISTOR 2SD774		R1506	1-247-895-00	CARBON	470K 5% 1/4W
<RESISTOR>				R1509	1-249-436-11	CARBON	39K 5% 1/4W
R1401	1-249-404-00	CARBON 82 5% 1/4W		R1510	1-249-426-11	CARBON	5.6K 5% 1/4W
				R1511	1-249-419-11	CARBON	1.5K 5% 1/4W
				R1512	1-249-429-11	CARBON	10K 5% 1/4W
				R1513	1-249-438-11	CARBON	56K 5% 1/4W
				R1514	1-249-417-11	CARBON	1K 5% 1/4W
				R1515	1-247-899-11	CARBON	680K 5% 1/4W
				R1516	1-249-432-11	CARBON	18K 5% 1/4W
				R1518	1-249-429-11	CARBON	10K 5% 1/4W
				R1519	1-247-883-00	CARBON	150K 5% 1/4W
				R1520	1-247-895-00	CARBON	470K 5% 1/4W
				R1521	1-249-425-11	CARBON	4.7K 5% 1/4W
				R1522	1-247-887-00	CARBON	220K 5% 1/4W

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1551	1-215-870-11	METAL OXIDE 1.5K 5% 1W	F	<DIODE>			
R1552	1-249-433-11	CARBON 22K 5% 1/4W		D201	8-719-110-14	DIODE RD9.1ES-B3	
R1553	1-216-434-11	METAL OXIDE 1.8K 5% 1W	F	D202	8-719-110-14	DIODE RD9.1ES-B3	
R1554	1-249-411-11	CARBON 330 5% 1/4W		D205	8-719-110-04	DIODE RD7.5ES-B3	
R1556	1-249-426-11	CARBON 5.6K 5% 1/4W		D206	8-719-110-04	DIODE RD7.5ES-B3	
R1558	1-249-425-11	CARBON 4.7K 5% 1/4W		<IC>			
R1559	1-249-441-11	CARBON 100K 5% 1/4W		IC201	8-759-013-17	IC TDA6200	
<VARIABLE RESISTOR>				<TRANSISTOR>			
RV1501	1-228-999-00	RES, ADJ, CARBON 470K		Q201	8-729-178-54	TRANSISTOR 2SC2785	
RV1502	1-224-252-XX	RES, ADJ, METAL GLAZE 10K		Q202	8-729-178-54	TRANSISTOR 2SC2785	
RV1503	1-228-995-00	RES, ADJ, CARBON 22K		<RESISTOR>			
RV1504	1-228-990-00	RES, ADJ, CARBON 1K		R201	1-249-441-11	CARBON 100K 5% 1/4W	
RV1505	1-228-998-00	RES, ADJ, CARBON 220K		R202	1-249-425-11	CARBON 4.7K 5% 1/4W	
RV1506	1-228-995-00	RES, ADJ, CARBON 22K		R203	1-249-441-11	CARBON 100K 5% 1/4W	
RV1508	1-228-994-00	RES, ADJ, CARBON 10K		R204	1-249-435-11	CARBON 33K 5% 1/4W	
RV1509	1-228-999-00	RES, ADJ, CARBON 470K		R205	1-249-435-11	CARBON 33K 5% 1/4W	
*****				R206	1-249-423-11	CARBON 3.3K 5% 1/4W	
*1-625-206-11	KS BOARD	*****		R207	1-249-423-11	CARBON 3.3K 5% 1/4W	
<CAPACITOR>				R208	1-249-431-11	CARBON 15K 5% 1/4W	
C202	1-124-902-00	ELECT 0.47MF 20% 50V		R209	1-249-433-11	CARBON 22K 5% 1/4W	
C203	1-124-477-11	ELECT 47MF 20% 16V		R210	1-249-431-11	CARBON 15K 5% 1/4W	
C204	1-124-902-00	ELECT 0.47MF 20% 50V		R211	1-249-441-11	CARBON 100K 5% 1/4W	
C205	1-124-927-11	ELECT 4.7MF 20% 50V		R212	1-249-433-11	CARBON 22K 5% 1/4W	
C206	1-124-477-11	ELECT 47MF 20% 16V		R213	1-249-431-11	CARBON 15K 5% 1/4W	
C207	1-124-927-11	ELECT 4.7MF 20% 50V		R214	1-249-417-11	CARBON 1K 5% 1/4W	
C213	1-126-233-11	ELECT 22MF 20% 50V		R215	1-249-433-11	CARBON 22K 5% 1/4W	
C214	1-106-363-00	MYLAR 0.0068MF 10% 400V		R216	1-249-433-11	CARBON 22K 5% 1/4W	
C217	1-106-363-00	MYLAR 0.0068MF 10% 400V		R217	1-249-431-11	CARBON 15K 5% 1/4W	
C218	1-106-375-12	MYLAR 0.022MF 10% 250V		R218	1-249-417-11	CARBON 1K 5% 1/4W	
C219	1-106-375-12	MYLAR 0.022MF 10% 250V		R219	1-249-429-11	CARBON 10K 5% 1/4W	
C220	1-108-620-11	MYLAR 0.0033MF 10% 100V		R220	1-249-425-11	CARBON 4.7K 5% 1/4W	
C221	1-108-620-11	MYLAR 0.0033MF 10% 100V		R221	1-249-417-11	CARBON 1K 5% 1/4W	
C222	1-106-375-12	MYLAR 0.022MF 10% 250V		R222	1-249-417-11	CARBON 1K 5% 1/4W	
C223	1-106-375-12	MYLAR 0.022MF 10% 250V		R223	1-249-413-11	CARBON 470 5% 1/4W	
C224	1-106-367-00	MYLAR 0.01MF 10% 400V		R224	1-249-413-11	CARBON 470 5% 1/4W	
C225	1-136-173-00	FILM 0.47MF 5% 50V		R225	1-249-417-11	CARBON 1K 5% 1/4W	
C226	1-136-173-00	FILM 0.47MF 5% 50V		R226	1-249-417-11	CARBON 1K 5% 1/4W	
C227	1-106-375-12	MYLAR 0.022MF 10% 250V		R227	1-249-417-11	CARBON 1K 5% 1/4W	
C228	1-106-379-12	MYLAR 0.033MF 10% 250V		R228	1-249-417-11	CARBON 1K 5% 1/4W	
C229	1-106-371-00	MYLAR 0.015MF 10% 400V		R229	1-249-441-11	CARBON 100K 5% 1/4W	
C230	1-106-371-00	MYLAR 0.015MF 10% 400V		R230	1-249-441-11	CARBON 100K 5% 1/4W	
C231	1-124-902-00	ELECT 0.47MF 20% 50V		R231	1-249-437-11	CARBON 47K 5% 1/4W	
C232	1-123-875-11	ELECT 10MF 20% 50V		R232	1-249-437-11	CARBON 47K 5% 1/4W	
C233	1-102-114-00	CERAMIC 470PF 10% 50V		*****			
C234	1-102-114-00	CERAMIC 470PF 10% 50V		MISCELLANEOUS			
C235	1-102-114-00	CERAMIC 470PF 10% 50V		*****			
C236	1-102-114-00	CERAMIC 470PF 10% 50V		Δ 1-228-544-12	RESISTOR ASSY, HIGH-VOLTAGE		
C237	1-124-902-00	ELECT 0.47MF 20% 50V		Δ 1-451-255-42	DEFLECTION YOKE (SY-164)		
C238	1-102-978-00	CERAMIC 220PF 5% 50V		1-452-032-00	MAGNET, DISK; 10MM ϕ		
C239	1-126-103-11	ELECT 470MF 20% 16V		1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ		
<CONNECTOR>				1-452-146-21	MAGNET, BMC		
CNK21	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P		Δ 1-452-391-21	NECK ASSY, CRT (NA305)		
CNK25	*1-564-880-31	PLUG, CONNECTOR 3P		Δ 1-559-346-11	CORD, POWER (WITH CONNECTOR)		
				Δ 1-426-378-11	COIL, DEMAGNETIZATION		
				T802 Δ 1-439-418-21	TRANSFORMER ASSY, FLYBACK		
				V901 Δ 8-736-653-05	PICTURE TUBE (A64JKJ60X)		

REF.NO.	PART NO.	DESCRIPTION	REMARK
		ACCESSORIES AND PACKING MATERIALS *****	
	PART NO	DESCRIPTION	REMARK
	A-1470-844-A	COMMANDER ASSY (RM-673)	
	*A-1499-747-A	BOX ASSY, SPEAKER	
	1-574-071-11	CORD (WITH PLUG)	
	3-786-189-11	MANUAL, INSTRUCTION	
	*3-704-282-01	BAG(STANDARD),PROTECTION	
	*4-381-155-01	BAG, PROTECTION	

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SONY
SERVICE MANUAL

AEP Model
Chassis No. SCC-B14N-A

SUPPLEMENT-1

SUBJECT : CIRCUIT MODIFICATION

File this supplement with the Service Manual.

1. INTRODUCTION

1. A Circuit board has been changed.
2. B Circuit board has been changed.
3. J1 Circuit board has been changed.



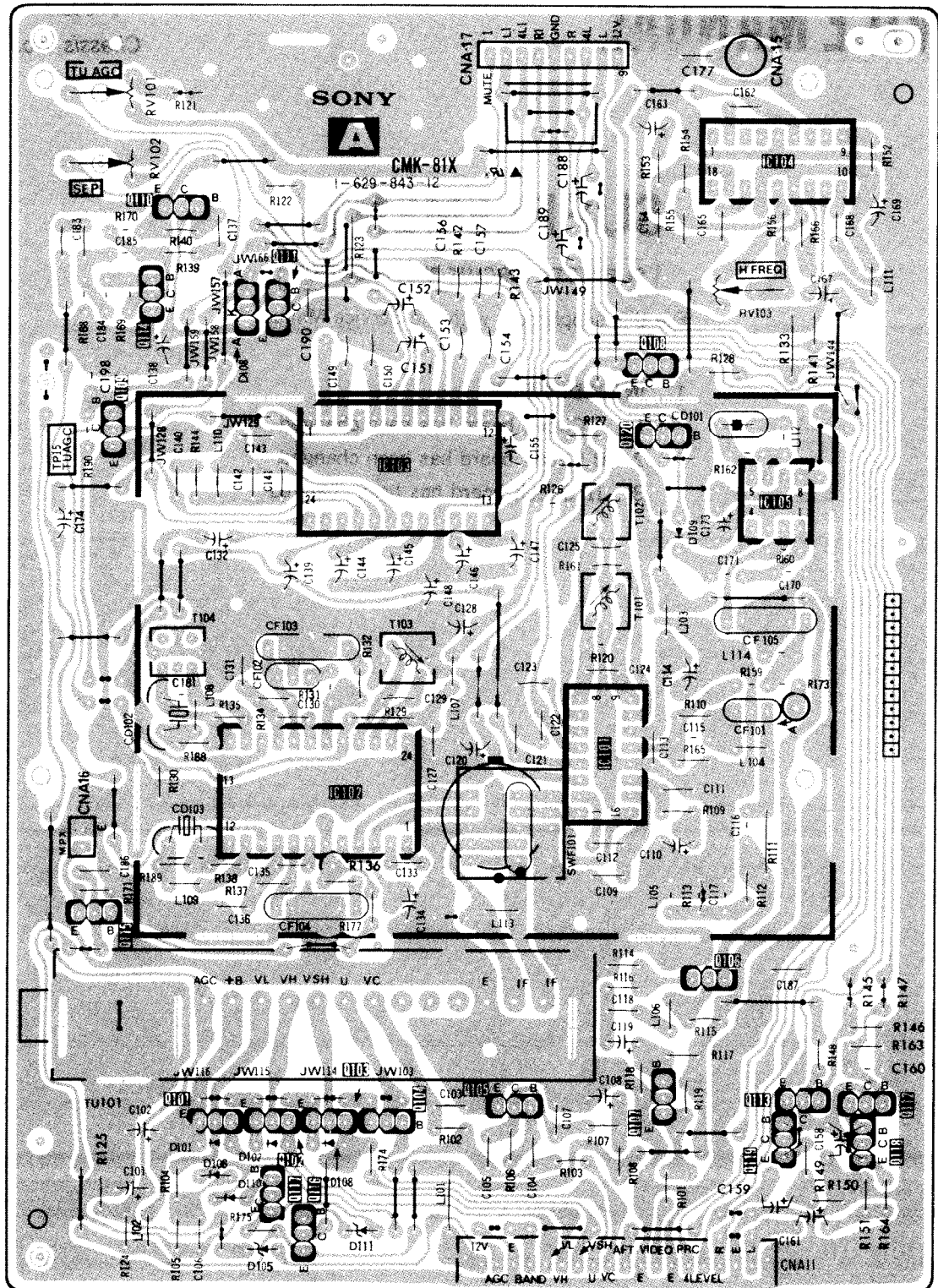
SECTION 5 DIAGRAMS

A

[SIGNAL TUNER, BAND SW]

PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

—A Board—



1 **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13**

TU101	BAND	VHF LOW	VHF HIGH	UHF
AGC		6.1-9V		
VL		11.5V	0	0
VH		0	11.5	0
VHP		0	0	0
U		0	0	11.5V
VC		1.2-25V	0.5-30V	0.2-30V
+B		12V		

A

B

C

D

E

F

G

H

I

J

Diagram Description:

The diagram illustrates the internal circuitry of a television receiver, organized into functional blocks and sections labeled A through J. Key components and sections include:

- Section A (Signal Tuner):** Features the TU101 UV-6155 tuner, which receives signals from the antenna (ANT) and provides AGC, VL, VH, VHP, U, VC, and +B control signals. It is connected to various capacitors (C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, C183, C184, C185, C186, C187, C188, C189, C190, C191, C192, C193, C194, C195, C196, C197, C198, C199, C200, C201, C202, C203, C204, C205, C206, C207, C208, C209, C210, C211, C212, C213, C214, C215, C216, C217, C218, C219, C220, C221, C222, C223, C224, C225, C226, C227, C228, C229, C230, C231, C232, C233, C234, C235, C236, C237, C238, C239, C240, C241, C242, C243, C244, C245, C246, C247, C248, C249, C250, C251, C252, C253, C254, C255, C256, C257, C258, C259, C260, C261, C262, C263, C264, C265, C266, C267, C268, C269, C270, C271, C272, C273, C274, C275, C276, C277, C278, C279, C280, C281, C282, C283, C284, C285, C286, C287, C288, C289, C290, C291, C292, C293, C294, C295, C296, C297, C298, C299, C300, C301, C302, C303, C304, C305, C306, C307, C308, C309, C310, C311, C312, C313, C314, C315, C316, C317, C318, C319, C320, C321, C322, C323, C324, C325, C326, C327, C328, C329, C330, C331, C332, C333, C334, C335, C336, C337, C338, C339, C340, C341, C342, C343, C344, C345, C346, C347, C348, C349, C350, C351, C352, C353, C354, C355, C356, C357, C358, C359, C360, C361, C362, C363, C364, C365, C366, C367, C368, C369, C370, C371, C372, C373, C374, C375, C376, C377, C378, C379, C380, C381, C382, C383, C384, C385, C386, C387, C388, C389, C390, C391, C392, C393, C394, C395, C396, C397, C398, C399, C400, C401, C402, C403, C404, C405, C406, C407, C408, C409, C410, C411, C412, C413, C414, C415, C416, C417, C418, C419, C420, C421, C422, C423, C424, C425, C426, C427, C428, C429, C430, C431, C432, C433, C434, C435, C436, C437, C438, C439, C440, C441, C442, C443, C444, C445, C446, C447, C448, C449, C450, C451, C452, C453, C454, C455, C456, C457, C458, C459, C460, C461, C462, C463, C464, C465, C466, C467, C468, C469, C470, C471, C472, C473, C474, C475, C476, C477, C478, C479, C480, C481, C482, C483, C484, C485, C486, C487, C488, C489, C490, C491, C492, C493, C494, C495, C496, C497, C498, C499, C500, C501, C502, C503, C504, C505, C506, C507, C508, C509, C510, C511, C512, C513, C514, C515, C516, C517, C518, C519, C520, C521, C522, C523, C524, C525, C526, C527, C528, C529, C530, C531, C532, C533, C534, C535, C536, C537, C538, C539, C540, C541, C542, C543, C544, C545, C546, C547, C548, C549, C550, C551, C552, C553, C554, C555, C556, C557, C558, C559, C560, C561, C562, C563, C564, C565, C566, C567, C568, C569, C570, C571, C572, C573, C574, C575, C576, C577, C578, C579, C580, C581, C582, C583, C584, C585, C586, C587, C588, C589, C590, C591, C592, C593, C594, C595, C596, C597, C598, C599, C600, C601, C602, C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614, C615, C616, C617, C618, C619, C620, C621, C622, C623, C624, C625, C626, C627, C628, C629, C630, C631, C632, C633, C634, C635, C636, C637, C638, C639, C640, C641, C642, C643, C644, C645, C646, C647, C648, C649, C650, C651, C652, C653, C654, C655, C656, C657, C658, C659, C660, C661, C662, C663, C664, C665, C666, C667, C668, C669, C670, C671, C672, C673, C674, C675, C676, C677, C678, C679, C680, C681, C682, C683, C684, C685, C686, C687, C688, C689, C690, C691, C692, C693, C694, C695, C696, C697, C698, C699, C700, C701, C702, C703, C704, C705, C706, C707, C708, C709, C710, C711, C712, C713, C714, C715, C716, C717, C718, C719, C720, C721, C722, C723, C724, C725, C726, C727, C728, C729, C730, C731, C732, C733, C734, C735, C736, C737, C738, C739, C740, C741, C742, C743, C744, C745, C746, C747, C748, C749, C750, C751, C752, C753, C754, C755, C756, C757, C758, C759, C760, C761, C762, C763, C764, C765, C766, C767, C768, C769, C770, C771, C772, C773, C774, C775, C776, C777, C778,

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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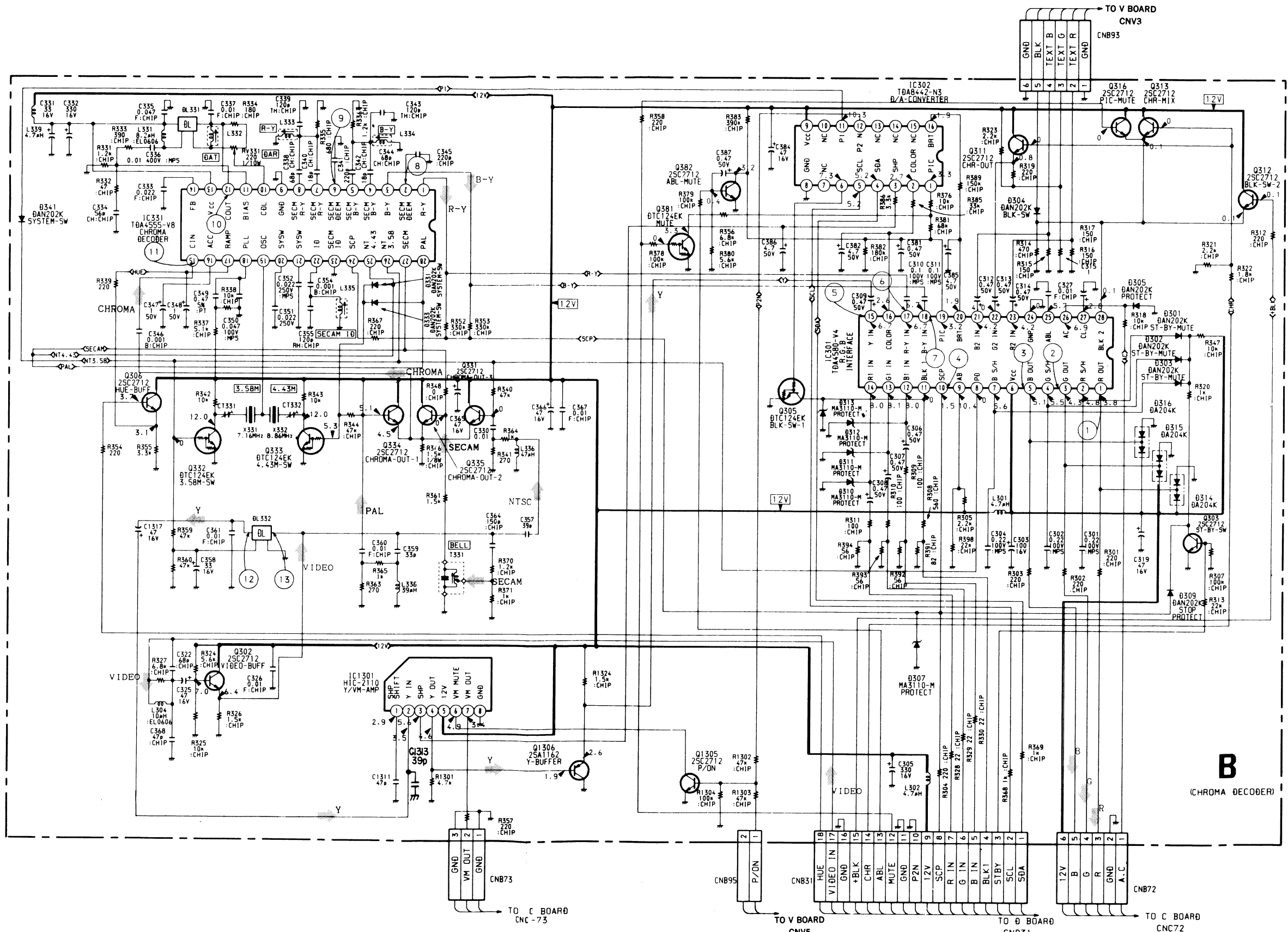
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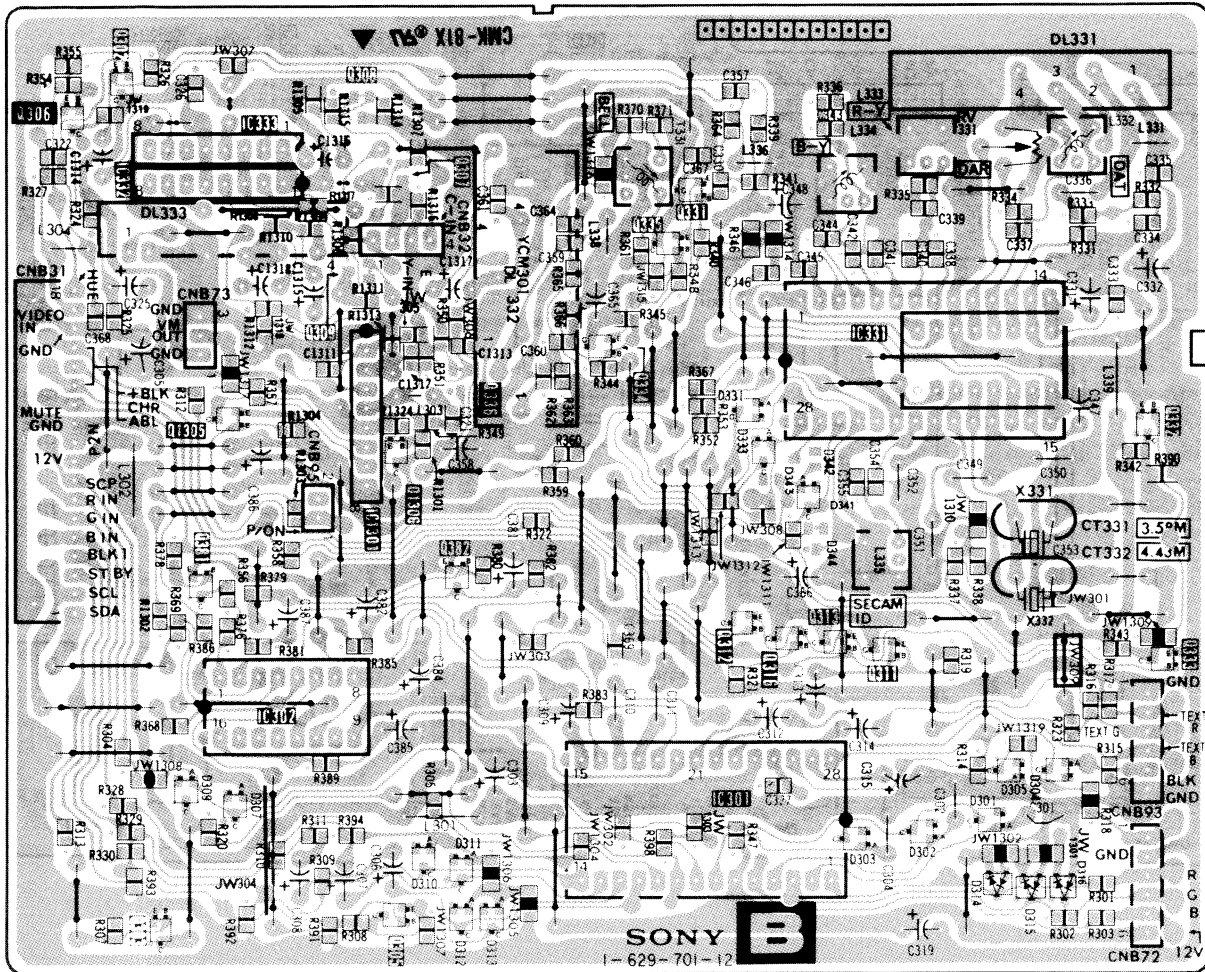
I

IC331

PIN NO.	PAL	SECAM	NTSC 3.58	NTSC 4.43
(1)	7.2	7.2	7.2	7.2
(2)	7.8	7.8	7.8	7.8
(3)	7.1	7.1	7.1	7.1
(4)	4.4	4.4	4.4	4.4
(5)	5.0	4.0	5.8	5.5
(6)	7.8	7.8	7.8	7.8
(7)	4.8	5.6	5.6	5.2
(8)	4.4	4.4	4.4	4.4
(9)	0	0	0	0
(10)	2.3	2.3	2.3	2.3
(11)	2.3	2.3	2.3	2.3
(12)	7.6	7.6	7.6	7.6
(13)	12.0	12.0	12.0	12.0
(14)	5.6	5.6	5.6	5.6
(15)	3.1	3.1	3.1	3.1
(16)	7.7	7.7	7.7	7.7
(17)	2.8	2.8	2.8	2.8
(18)	7.4	7.4	7.4	7.4
(19)	2.2	2.2	2.2	2.2
(20)	0	0	0	0
(21)	7.3	7.3	7.3	7.3
(22)	3.9	3.9	3.9	3.9
(23)	0	0	0	0
(24)	1.5	1.5	1.5	1.5
(25)	0	0	0	5.5
(26)	0	0	5.5	0
(27)	0	5.5	0	0
(28)	5.5	0	0	0



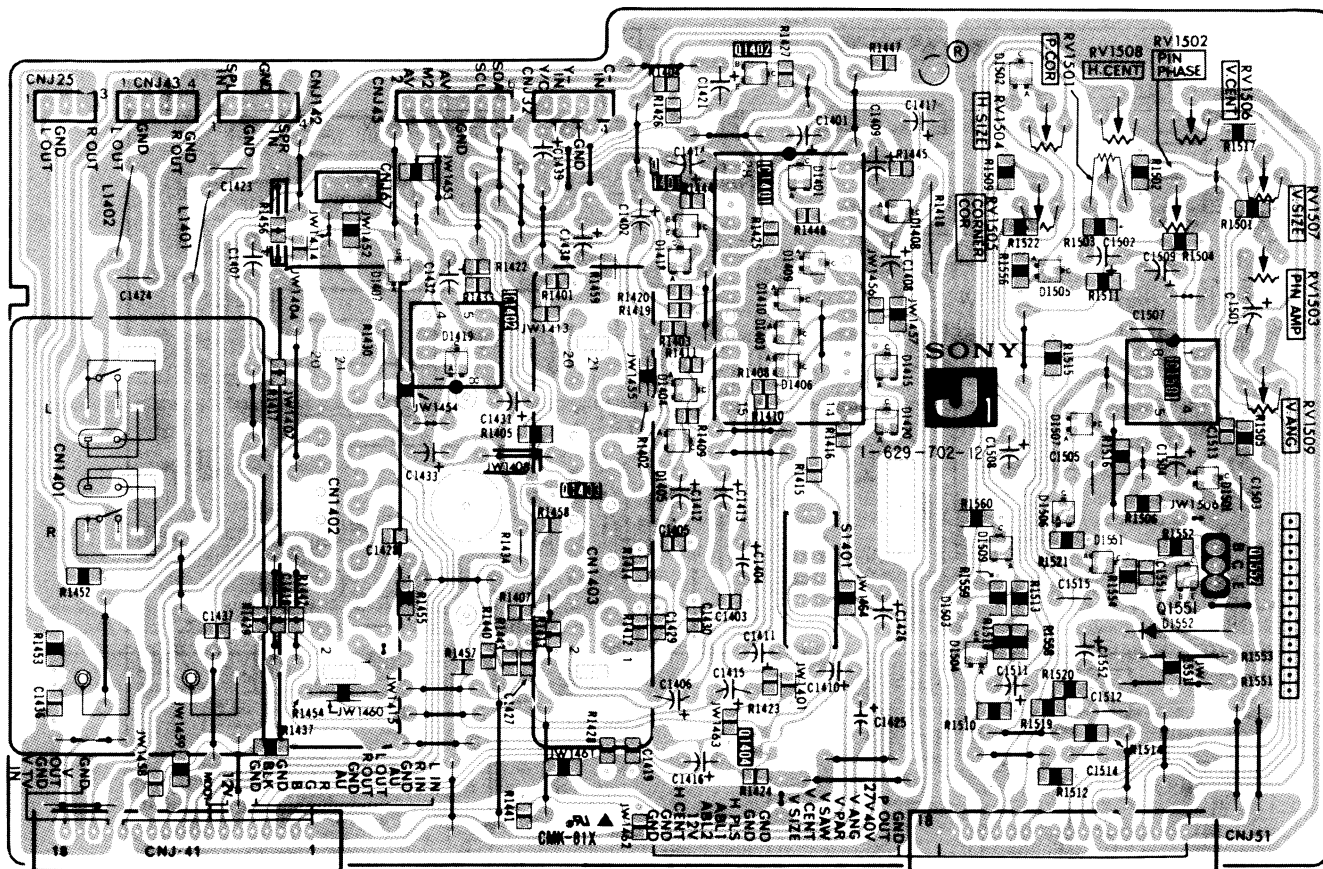
—B Board—

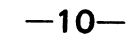


J1

[AV-INTERFACE, PIN-AMP]

—J1 Board—






A

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.


When indicating parts by reference number, please include the board name.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

COILS

- MF : μF , PF : μF • MMH : mH, UH : μH
- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

RESISTORS

- All resistors are in ohms
- F : nonflammable

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<IC>				R125	1-249-429-11	CARBON	10K 5% 1/4W
IC101	8-759-996-04	IC TDA8341/N6		R127	1-249-432-11	CARBON	18K 5% 1/4W
IC102	8-759-973-86	IC TDA2558		R128	1-249-432-11	CARBON	18K 5% 1/4W
IC103	8-759-030-48	IC TDA6600-2		R129	1-249-429-11	CARBON	10K 5% 1/4W
IC104	8-759-946-99	IC TDA2595-V7		R130	1-249-429-11	CARBON	10K 5% 1/4W
<COIL>				R132	1-249-414-11	CARBON	560 5% 1/4W
L101	1-408-226-00	INDUCTOR	82UH	R133	1-249-425-11	CARBON	4.7K 5% 1/4W
L102	1-410-116-11	INDUCTOR	0.56MMH	R134	1-249-414-11	CARBON	560 5% 1/4W
L103	1-408-406-00	INDUCTOR	5.6UH	R135	1-249-419-11	CARBON	1.5K 5% 1/4W
L104	1-408-411-00	INDUCTOR	15UH	R136	1-249-414-11	CARBON	560 5% 1/4W
L106	1-408-415-00	INDUCTOR	33UH	R137	1-249-414-11	CARBON	560 5% 1/4W
L107	1-408-406-00	INDUCTOR	5.6UH	R138	1-249-419-11	CARBON	1.5K 5% 1/4W
L108	1-408-412-00	INDUCTOR	18UH	R139	1-249-431-11	CARBON	15K 5% 1/4W
L109	1-408-412-00	INDUCTOR	18UH	R140	1-249-441-11	CARBON	100K 5% 1/4W
L110	1-410-064-11	INDUCTOR	2.7MMH	R141	1-249-425-11	CARBON	4.7K 5% 1/4W
L111	1-408-421-00	INDUCTOR	100UH	R142	1-249-441-11	CARBON	100K 5% 1/4W
L113	1-408-399-00	INDUCTOR	1.5UH	R143	1-249-441-11	CARBON	100K 5% 1/4W
<TRANSISTOR>				R144	1-249-422-11	CARBON	2.7K 5% 1/4W
Q101	8-729-900-61	TRANSISTOR	DTA114ES	R146	1-249-424-11	CARBON	3.9K 5% 1/4W
Q102	8-729-900-61	TRANSISTOR	DTA114ES	R148	1-249-413-11	CARBON	470 5% 1/4W
Q103	8-729-900-61	TRANSISTOR	DTA114ES	R150	1-249-423-11	CARBON	3.3K 5% 1/4W
Q104	8-729-900-61	TRANSISTOR	DTA114ES	R151	1-249-423-11	CARBON	3.3K 5% 1/4W
Q105	8-729-119-78	TRANSISTOR	2SC2785-HFE	R152	1-249-431-11	CARBON	15K 5% 1/4W
Q106	8-729-119-78	TRANSISTOR	2SC2785-HFE	R153	1-249-416-11	CARBON	820 5% 1/4W
Q107	8-729-173-38	TRANSISTOR	2SA733-K	R154	1-249-441-11	CARBON	100K 5% 1/4W
Q108	8-729-900-65	TRANSISTOR	DTA114ES	R155	1-249-430-11	CARBON	12K 5% 1/4W
Q109	8-729-900-89	TRANSISTOR	DTC144ES	R156	1-247-881-00	CARBON	120K 5% 1/4W
Q110	8-729-173-38	TRANSISTOR	2SA733-K	R161	1-249-421-11	CARBON	2.2K 5% 1/4W
Q111	8-729-900-89	TRANSISTOR	DTC144ES	R163	1-249-424-11	CARBON	3.9K 5% 1/4W
Q112	8-729-119-78	TRANSISTOR	2SC2785-HFE	R165	1-249-423-11	CARBON	3.3K 5% 1/4W
Q113	8-729-119-78	TRANSISTOR	2SC2785-HFE	R166	1-249-437-11	CARBON	47K 5% 1/4W
Q115	8-729-119-78	TRANSISTOR	2SC2785-HFE	R171	1-249-417-11	CARBON	1K 5% 1/4W
Q116	8-729-900-65	TRANSISTOR	DTA114ES	R174	1-249-429-11	CARBON	10K 5% 1/4W
Q117	8-729-173-38	TRANSISTOR	2SA733-K	R175	1-249-429-11	CARBON	10K 5% 1/4W
Q120	8-729-900-89	TRANSISTOR	DTC144ES	R177	1-249-417-11	CARBON	1K 5% 1/4W
<RESISTOR>				R178	1-249-401-11	CARBON	47 5% 1/4W
R101	1-249-405-11	CARBON	100 5% 1/4W	R179	1-249-401-11	CARBON	47 5% 1/4W
R102	1-249-423-11	CARBON	3.3K 5% 1/4W	R188	1-249-419-11	CARBON	1.5K 5% 1/4W
R103	1-249-433-11	CARBON	22K 5% 1/4W	R189	1-249-419-11	CARBON	1.5K 5% 1/4W
R104	1-249-429-11	CARBON	10K 5% 1/4W	<VARIABLE RESISTOR>			
R105	1-249-418-11	CARBON	1.2K 5% 1/4W	RV101	1-237-754-11	RES, ADJ, CARBON	100K
R106	1-247-891-00	CARBON	330K 5% 1/4W	RV102	1-237-751-11	RES, ADJ, CARBON	10K
R107	1-249-421-11	CARBON	2.2K 5% 1/4W	RV103	1-237-753-11	RES, ADJ, CARBON	47K
R108	1-249-421-11	CARBON	2.2K 5% 1/4W	<TRANSFORMER>			
R109	1-249-423-11	CARBON	3.3K 5% 1/4W	T101	1-404-493-00	COIL	
R110	1-249-410-11	CARBON	270 5% 1/4W	T102	1-404-493-00	COIL	
R111	1-249-416-11	CARBON	820 5% 1/4W	T103	1-404-493-00	COIL	
R112	1-249-421-11	CARBON	2.2K 5% 1/4W	<TUNER>			
R114	1-249-413-11	CARBON	470 5% 1/4W	TU101A 1-465-053-11 TUNER, ET (UV-615S)			
R115	1-249-413-11	CARBON	470 5% 1/4W				
R116	1-249-419-11	CARBON	1.5K 5% 1/4W				
R117	1-249-431-11	CARBON	15K 5% 1/4W				
R118	1-249-425-11	CARBON	4.7K 5% 1/4W				
R119	1-249-417-11	CARBON	1K 5% 1/4W				
R122	1-249-439-11	CARBON	68K 5% 1/4W				
R123	1-249-417-11	CARBON	1K 5% 1/4W				
R124	1-249-423-11	CARBON	3.3K 5% 1/4W				

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
*A-1135-594-A B BOARD, COMPLETE *****				C358	1-124-963-11	ELECT 33MF	20% 16V
<CAPACITOR>				C359	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C301	1-106-228-00	MYLAR 0.22MF	10% 100V	C360	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C302	1-106-228-00	MYLAR 0.22MF	10% 100V	C361	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C303	1-126-101-11	ELECT 100MF	20% 16V	C364	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C304	1-106-228-00	MYLAR 0.22MF	10% 100V	C365	1-124-477-11	ELECT 47MF	20% 16V
C305	1-124-119-00	ELECT 330MF	20% 16V	C366	1-124-477-11	ELECT 47MF	20% 16V
C306	1-124-902-00	ELECT 0.47MF	20% 50V	C367	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C307	1-124-902-00	ELECT 0.47MF	20% 50V	C368	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C308	1-124-902-00	ELECT 0.47MF	20% 50V	C381	1-124-902-00	ELECT 0.47MF	20% 50V
C309	1-124-902-00	ELECT 0.47MF	20% 50V	C382	1-124-927-11	ELECT 4.7MF	20% 50V
C310	1-106-220-00	MYLAR 0.1MF	10% 100V	C384	1-124-477-11	ELECT 47MF	20% 16V
C311	1-106-220-00	MYLAR 0.1MF	10% 100V	C385	1-124-927-11	ELECT 4.7MF	20% 50V
C312	1-124-902-00	ELECT 0.47MF	20% 50V	C386	1-124-927-11	ELECT 4.7MF	20% 50V
C313	1-124-902-00	ELECT 0.47MF	20% 50V	C387	1-124-902-00	ELECT 0.47MF	20% 50V
C314	1-124-902-00	ELECT 0.47MF	20% 50V	C1311	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C315	1-124-791-11	ELECT 1MF	20% 50V	C1313	1-163-107-00	CERAMIC CHIP 39PF	5% 50V
C319	1-124-477-11	ELECT 47MF	20% 16V	<CONNECTOR>			
C322	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	CNB31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P	
C325	1-124-477-11	ELECT 47MF	20% 16V	CNB72	*1-564-895-11	PLUG, CONNECTOR 6P	
C326	1-164-232-11	CERAMIC CHIP 0.01MF	50V	CNB73	*1-564-880-31	PLUG, CONNECTOR 3P	
C327	1-164-232-11	CERAMIC CHIP 0.01MF	50V	CNB93	*1-560-278-41	PLUG, CONNECTOR 6P	
C330	1-164-232-11	CERAMIC CHIP 0.01MF	50V	CNB95	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
C331	1-124-963-11	ELECT 33MF	20% 16V	<TRIMMER>			
C332	1-124-119-00	ELECT 330MF	20% 16V	CT331	1-141-181-11	CAP, TRIMMER	
C333	1-163-033-00	CERAMIC CHIP 0.022MF	50V	CT332	1-141-181-11	CAP, TRIMMER	
C334	1-163-111-00	CERAMIC CHIP 56PF	5% 50V	<DIODE>			
C335	1-163-035-00	CERAMIC CHIP 0.047MF	50V	D301	8-719-400-18	DIODE MA152WK	
C336	1-106-367-00	MYLAR 0.01MF	10% 400V	D302	8-719-400-18	DIODE MA152WK	
C337	1-164-232-11	CERAMIC CHIP 0.01MF	50V	D303	8-719-400-18	DIODE MA152WK	
C338	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	D304	8-719-400-18	DIODE MA152WK	
C339	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	D305	8-719-400-18	DIODE MA152WK	
C340	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	D307	8-719-106-62	DIODE RD11M-B2	
C341	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	D309	8-719-400-18	DIODE MA152WK	
C342	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	D310	8-719-106-62	DIODE RD11M-B2	
C343	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	D311	8-719-106-62	DIODE RD11M-B2	
C344	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	D312	8-719-106-62	DIODE RD11M-B2	
C345	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	D313	8-719-106-62	DIODE RD11M-B2	
C346	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D314	8-719-800-76	DIODE 1SS226	
C347	1-124-791-11	ELECT 1MF	20% 50V	D315	8-719-800-76	DIODE 1SS226	
C348	1-124-791-11	ELECT 1MF	20% 50V	D316	8-719-800-76	DIODE 1SS226	
C349	1-136-173-00	FILM 0.47MF	5% 50V	D331	8-719-400-18	DIODE MA152WK	
C350	1-106-383-00	MYLAR 0.047MF	10% 100V	D333	8-719-400-18	DIODE MA152WK	
C351	1-106-375-12	MYLAR 0.022MF	10% 250V	D341	8-719-400-18	DIODE MA152WK	
C352	1-106-375-12	MYLAR 0.022MF	10% 250V				
C354	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V				
C355	1-163-119-00	CERAMIC CHIP 120PF	5% 50V				
C357	1-163-107-00	CERAMIC CHIP 39PF	5% 50V				

B

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<DELAY LINE>				JW1314	1-216-296-00	METAL GLAZE	0 5% 1/8W
DL331	1-415-122-00	DELAY LINE		JW1315	1-216-295-00	METAL GLAZE	0 5% 1/10W
DL332	1-236-062-11	MODULE, Y DELAY LINE		JW1316	1-216-296-00	METAL GLAZE	0 5% 1/8W
<IC>				JW1317	1-216-296-00	METAL GLAZE	0 5% 1/8W
IC301	8-759-979-85	IC TDA4580-V4		JW1319	1-216-295-00	METAL GLAZE	0 5% 1/10W
IC302	8-759-980-60	IC TDA8442-N3		JW1320	1-216-295-00	METAL GLAZE	0 5% 1/10W
IC331	8-759-947-20	IC TDA4555-V8		R301	1-216-033-00	METAL GLAZE	220 5% 1/10W
IC1301	1-235-534-11	CONTROL MODULE, PICTURE		R302	1-216-033-00	METAL GLAZE	220 5% 1/10W
<COIL>				R303	1-216-033-00	METAL GLAZE	220 5% 1/10W
L301	1-410-868-21	INDUCTOR	4.7UH	R304	1-216-033-00	METAL GLAZE	220 5% 1/10W
L302	1-410-868-21	INDUCTOR	4.7UH	R305	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
L304	1-408-409-00	INDUCTOR	10UH	R307	1-216-097-00	METAL GLAZE	100K 5% 1/10W
L331	1-408-408-00	INDUCTOR	8.2UH	R308	1-216-043-00	METAL GLAZE	560 5% 1/10W
L332	1-404-539-11	COIL		R309	1-216-025-00	METAL GLAZE	100 5% 1/10W
L333	1-404-554-11	COIL		R310	1-216-025-00	METAL GLAZE	100 5% 1/10W
L334	1-404-554-11	COIL		R311	1-216-025-00	METAL GLAZE	100 5% 1/10W
L335	1-404-554-11	COIL		R312	1-216-033-00	METAL GLAZE	220 5% 1/10W
L336	1-408-417-00	INDUCTOR	47UH	R313	1-216-081-00	METAL GLAZE	22K 5% 1/10W
L338	1-408-416-00	INDUCTOR	39UH	R314	1-216-041-00	METAL GLAZE	470 5% 1/10W
L339	1-410-868-21	INDUCTOR	4.7UH	R315	1-216-029-00	METAL GLAZE	150 5% 1/10W
<TRANSISTOR>				R316	1-216-029-00	METAL GLAZE	150 5% 1/10W
Q302	8-729-271-22	TRANSISTOR 2SC2712-G		R317	1-216-029-00	METAL GLAZE	150 5% 1/10W
Q303	8-729-271-22	TRANSISTOR 2SC2712-G		R318	1-216-222-00	METAL GLAZE	10K 5% 1/8W
Q305	8-729-901-00	TRANSISTOR DTC124EK		R319	1-216-033-00	METAL GLAZE	220 5% 1/10W
Q306	8-729-271-22	TRANSISTOR 2SC2712-G		R320	1-216-049-00	METAL GLAZE	1K 5% 1/10W
Q311	8-729-271-22	TRANSISTOR 2SC2712-G		R321	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
Q312	8-729-271-22	TRANSISTOR 2SC2712-G		R322	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
Q313	8-729-271-22	TRANSISTOR 2SC2712-G		R323	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
Q316	8-729-271-22	TRANSISTOR 2SC2712-G		R324	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
Q331	8-729-271-22	TRANSISTOR 2SC2712-G		R325	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q332	8-729-901-00	TRANSISTOR DTC124EK		R326	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
Q333	8-729-901-00	TRANSISTOR DTC124EK		R327	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
Q334	8-729-271-22	TRANSISTOR 2SC2712-G		R328	1-216-009-00	METAL GLAZE	22 5% 1/10W
Q335	8-729-271-22	TRANSISTOR 2SC2712-G		R329	1-216-009-00	METAL GLAZE	22 5% 1/10W
Q381	8-729-901-00	TRANSISTOR DTC124EK		R330	1-216-009-00	METAL GLAZE	22 5% 1/10W
Q382	8-729-271-22	TRANSISTOR 2SC2712-G		R331	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
Q1305	8-729-271-22	TRANSISTOR 2SC2712-G		R332	1-216-017-00	METAL GLAZE	47 5% 1/10W
Q1306	8-729-216-22	TRANSISTOR 2SA1162-G		R333	1-216-039-00	METAL GLAZE	390 5% 1/10W
<RESISTOR>				R334	1-216-031-00	METAL GLAZE	180 5% 1/10W
JW303	1-216-295-00	METAL GLAZE	0 5% 1/10W	R335	1-216-045-00	METAL GLAZE	680 5% 1/10W
JW306	1-216-295-00	METAL GLAZE	0 5% 1/10W	R336	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
JW307	1-216-295-00	METAL GLAZE	0 5% 1/10W	R337	1-216-066-00	METAL GLAZE	5.1K 5% 1/10W
JW1301	1-216-296-00	METAL GLAZE	0 5% 1/8W	R338	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JW1302	1-216-296-00	METAL GLAZE	0 5% 1/8W	R339	1-216-033-00	METAL GLAZE	220 5% 1/10W
JW1303	1-216-295-00	METAL GLAZE	0 5% 1/10W	R340	1-216-089-00	METAL GLAZE	47K 5% 1/10W
JW1304	1-216-295-00	METAL GLAZE	0 5% 1/10W	R341	1-216-035-00	METAL GLAZE	270 5% 1/10W
JW1305	1-216-296-00	METAL GLAZE	0 5% 1/8W	R342	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JW1306	1-216-296-00	METAL GLAZE	0 5% 1/8W	R343	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JW1307	1-216-295-00	METAL GLAZE	0 5% 1/10W	R344	1-216-089-00	METAL GLAZE	47K 5% 1/10W
JW1308	1-216-296-00	METAL GLAZE	0 5% 1/8W	R346	1-216-202-00	METAL GLAZE	1.5K 5% 1/8W
JW1309	1-216-296-00	METAL GLAZE	0 5% 1/8W	R347	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JW1310	1-216-296-00	METAL GLAZE	0 5% 1/8W	R348	1-216-089-00	METAL GLAZE	47K 5% 1/10W
JW1311	1-216-295-00	METAL GLAZE	0 5% 1/10W	R352	1-216-109-00	METAL GLAZE	330K 5% 1/10W
JW1312	1-216-295-00	METAL GLAZE	0 5% 1/10W	R353	1-216-109-00	METAL GLAZE	330K 5% 1/10W
JW1313	1-216-295-00	METAL GLAZE	0 5% 1/10W	R354	1-216-033-00	METAL GLAZE	220 5% 1/10W
				R355	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
				R356	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
				R357	1-216-033-00	METAL GLAZE	220 5% 1/10W
				R358	1-216-033-00	METAL GLAZE	220 5% 1/10W
				R359	1-216-089-00	METAL GLAZE	47K 5% 1/10W
				R360	1-216-089-00	METAL GLAZE	47K 5% 1/10W
				R361	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
				R363	1-216-035-00	METAL GLAZE	270 5% 1/10W
				R364	1-216-049-00	METAL GLAZE	1K 5% 1/10W

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	
R365	1-216-049-00	METAL GLAZE	1K 5% 1/10W	*A-1388-105-A	J1 BOARD, COMPLETE *****	C1551	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
R367	1-216-033-00	METAL GLAZE	220 5% 1/10W			C1552	1-124-122-11	ELECT	100MF	20%	50V	
R368	1-216-049-00	METAL GLAZE	1K 5% 1/10W									
R369	1-216-049-00	METAL GLAZE	1K 5% 1/10W									
R370	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W									
				<CAPACITOR>				<CONNECTOR>				
R371	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1401	1-123-875-11	ELECT	10MF	20%	50V	CN1401	1-536-996-11	TERMINAL BOARD, INPUT/OUTPUT
R376	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C1402	1-126-103-11	ELECT	470MF	20%	16V	CN1402	1-561-534-41	SOCKET 21P
R378	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C1403	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	CN1403	1-561-534-41	SOCKET 21P
R379	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C1404	1-106-375-12	MYLAR	0.022MF	10%	250V	CNJ25	*1-564-892-41	PLUG, CONNECTOR 3P
R380	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	C1405	1-136-017-00	CERAMIC CHIP	0.0047MF	50V		CNJ41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P
R381	1-216-093-00	METAL GLAZE	68K 5% 1/10W	C1406	1-106-375-12	MYLAR	0.022MF	10%	250V	CNJ43	*1-564-893-11	PLUG, CONNECTOR 4P
R382	1-216-103-00	METAL GLAZE	180K 5% 1/10W	C1407	1-124-477-11	ELECT	47MF	20%	16V	CNJ45	*1-564-895-11	PLUG, CONNECTOR 6P
R383	1-216-111-00	METAL GLAZE	390K 5% 1/10W	C1408	1-126-101-11	ELECT	100MF	20%	16V	CNJ51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P
R385	1-216-085-00	METAL GLAZE	33K 5% 1/10W	C1409	1-126-233-11	ELECT	22MF	20%	50V	CNJ67	*1-560-721-21	PLUG, CONNECTOR 2P
R386	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	C1410	1-106-220-00	MYLAR	0.1MF	20%	100V	CNJ142*	1-564-893-11	PLUG, CONNECTOR 4P
R389	1-216-101-00	METAL GLAZE	150K 5% 1/10W	C1411	1-106-220-00	MYLAR	0.1MF	20%	100V			
R390	1-216-045-00	METAL GLAZE	680 5% 1/10W	C1412	1-124-477-11	ELECT	47MF	20%	16V	<DIODE>		
R391	1-216-023-00	METAL GLAZE	82 5% 1/10W	C1413	1-124-477-11	ELECT	47MF	20%	16V	D1401	8-719-106-23	DIODE RD7.5M-B2
R392	1-216-019-00	METAL GLAZE	56 5% 1/10W	C1414	1-123-875-11	ELECT	10MF	20%	50V	D1403	8-719-106-23	DIODE RD7.5M-B2
R393	1-216-019-00	METAL GLAZE	56 5% 1/10W	C1415	1-106-383-00	MYLAR	0.047MF	10%	100V	D1404	8-719-106-23	DIODE RD7.5M-B2
R394	1-216-019-00	METAL GLAZE	56 5% 1/10W	C1416	1-106-383-00	MYLAR	0.047MF	10%	100V	D1405	8-719-106-23	DIODE RD7.5M-B2
R398	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C1417	1-124-120-11	ELECT	220MF	20%	16V	D1406	8-719-106-23	DIODE RD7.5M-B2
R1301	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C1418	1-163-003-11	CERAMIC CHIP	330PF	10%	50V			
R1302	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C1419	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	D1407	8-719-106-53	DIODE RD10M-B2
R1303	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C1421	1-124-477-11	ELECT	47MF	20%	16V	D1408	8-719-106-44	DIODE RD9.1M-B2
R1304	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C1423	1-106-375-12	MYLAR	0.022MF	10%	250V	D1409	8-719-106-44	DIODE RD9.1M-B2
R1324	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C1424	1-106-375-12	MYLAR	0.022MF	10%	250V	D1410	8-719-106-44	DIODE RD9.1M-B2
R1390	1-216-045-00	METAL GLAZE	680 5% 1/10W	C1425	1-124-902-00	ELECT	0.47MF	20%	50V	D1415	8-719-106-23	DIODE RD7.5M-B2
				C1426	1-124-902-00	ELECT	0.47MF	20%	50V	D1418	8-719-106-23	DIODE RD7.5M-B2
				C1427	1-136-017-00	CERAMIC CHIP	0.0047MF	50V		D1419	8-719-106-23	DIODE RD7.5M-B2
										D1420	8-719-106-23	DIODE RD7.5M-B2
				C1428	1-136-017-00	CERAMIC CHIP	0.0047MF	50V		D1501	8-719-400-18	DIODE MA152WK
				C1429	1-136-017-00	CERAMIC CHIP	0.0047MF	50V		D1502	8-719-400-18	DIODE MA152WK
				C1430	1-163-003-11	CERAMIC CHIP	330PF	10%	50V			
				C1431	1-124-902-00	ELECT	0.47MF	20%	50V	D1504	8-719-400-18	DIODE MA152WK
				C1432	1-124-902-00	ELECT	0.47MF	20%	50V	D1505	8-719-800-76	DIODE ISS226
										D1506	8-719-118-15	DIODE RD36M-B
				C1433	1-126-101-11	ELECT	100MF	20%	16V	D1507	8-719-400-18	DIODE MA152WK
				C1436	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	D1509	8-719-400-18	DIODE MA152WK
				C1437	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V			
				C1501	1-123-875-11	ELECT	10MF	20%	50V	D1551	8-719-107-43	DIODE RD24M-B2
				C1502	1-123-875-11	ELECT	10MF	20%	50V	D1552	8-719-300-33	DIODE RU-3AM
				C1503	1-108-614-11	MYLAR	0.001MF	10%	100V			
				C1504	1-124-910-11	ELECT	47MF	20%	50V	<IC>		
				C1505	1-106-383-00	MYLAR	0.047MF	10%	100V	IC1401	8-752-032-27	IC CXA1114P
				C1507	1-108-620-11	MYLAR	0.0033MF	10%	100V	IC1402	8-759-946-32	IC TEA2014A
				C1508	1-124-791-11	ELECT	1MF	20%	50V	IC1501	8-759-942-16	IC TEA2031A
				C1509	1-124-791-11	ELECT	1MF	20%	50V			
				C1511	1-123-875-11	ELECT	10MF	20%	50V	<COIL>		
				C1512	1-106-363-00	MYLAR	0.0068MF	10%	400V	L1401	1-412-240-11	INDUCTOR, WIDE BAND
				C1513	1-163-105-00	CERAMIC CHIP	33PF	5%	50V	L1402	1-412-240-11	INDUCTOR, WIDE BAND
				C1514	1-106-353-00	MYLAR	0.027MF	10%	250V			
				C1515	1-102-117-00	CERAMIC	820PF	10%	50V			
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REF.NO.	PART NO.	DESCRIPTION	REMARK
R1501	1-216-230-00	METAL GLAZE 22K 5%	1/8W
R1502	1-216-232-00	METAL GLAZE 27K 5%	1/8W
R1503	1-216-262-00	METAL GLAZE 470K 5%	1/8W
R1504	1-216-234-00	METAL GLAZE 33K 5%	1/8W
R1505	1-216-230-00	METAL GLAZE 22K 5%	1/8W
R1506	1-216-262-00	METAL GLAZE 470K 5%	1/8W
R1509	1-216-236-00	METAL GLAZE 39K 5%	1/8W
R1510	1-216-216-00	METAL GLAZE 5.6K 5%	1/8W
R1511	1-216-202-00	METAL GLAZE 1.5K 5%	1/8W
R1512	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R1513	1-216-240-00	METAL GLAZE 56K 5%	1/8W
R1514	1-216-198-00	METAL GLAZE 1K 5%	1/8W
R1515	1-216-266-00	METAL GLAZE 680K 5%	1/8W
R1516	1-216-228-00	METAL GLAZE 18K 5%	1/8W
R1518	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R1519	1-216-250-00	METAL GLAZE 150K 5%	1/8W
R1520	1-216-262-00	METAL GLAZE 470K 5%	1/8W
R1521	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W
R1522	1-216-254-00	METAL GLAZE 220K 5%	1/8W
R1551	1-215-870-11	METAL OXIDE 1.5K 5%	1W F
R1551	1-215-870-11	METAL OXIDE 1.5K 5%	1W
R1552	1-216-230-00	METAL GLAZE 22K 5%	1/8W
R1553	1-216-434-11	METAL OXIDE 1.8K 5%	1W F
R1553	1-216-434-11	METAL OXIDE 1.8K 5%	1W
R1554	1-216-186-00	METAL GLAZE 330 5%	1/8W
R1556	1-216-216-00	METAL GLAZE 5.6K 5%	1/8W
R1558	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W
R1559	1-216-246-00	METAL GLAZE 100K 5%	1/8W
<VARIABLE RESISTOR>			
RV1501	1-238-023-11	RES, ADJ, CARBON 470K	
RV1502	1-224-252-XX	RES, ADJ, METAL GLAZE 10K	
RV1503	1-238-017-11	RES, ADJ, CARBON 22K	
RV1504	1-238-012-11	RES, ADJ, CARBON 1K	
RV1505	1-238-021-11	RES, ADJ, CARBON 220K	
RV1506	1-238-017-11	RES, ADJ, CARBON 22K	
RV1508	1-238-016-11	RES, ADJ, CARBON 10K	
RV1509	1-238-023-11	RES, ADJ, CARBON 470K	